



July 19, 2004

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 1-22-9-16, 13-9-9-18, 14-9-9-18,  
and 15-9-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. The 1-22-9-16 is an Exception Location. I have notified our office in Denver and they will send you the Exception Location Letter. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

JUL 20 2004

DIV. OF OIL, GAS & MINING

001

Form 3160-3  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 20045. Lease Serial No.  
UTU-743926. If Indian, Allottee or Tribe Name  
N/A7. If Unit or CA Agreement, Name and No.  
N/A8. Lease Name and Well No.  
Federal 1-22-9-169. API Well No.  
43-013-3241210. Field and Pool, or Exploratory  
Monument Butte11. Sec., T., R., M., or Blk. and Survey or Area  
NE/NE Sec. 22, T9S R16E12. County or Parish  
Duchesne13. State  
UT1a. Type of Work: ☒ DRILL ☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone2. Name of Operator  
Inland Production Company3a. Address  
Route #3 Box 3630, Myton UT 840523b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NE/NE 903' FNL 824' FEL 576944X 40.0211'

At proposed prod. zone 4430280Y -110.09834

14. Distance in miles and direction from nearest town or post office\*  
Approximatley 18.8 miles southwest of Myton, Utah15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 417' f/lse, NA f/unit16. No. of Acres in lease  
2080.0017. Spacing Unit dedicated to this well  
40 Acres18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. NA19. Proposed Depth  
6500'20. BLM/BIA Bond No. on file  
UTU005621. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5740' GL22. Approximate date work will start\*  
1st Quarter 200523. Estimated duration  
Approximately seven (7) days from spud to rig release.

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)

Mandie Crozier

Date

7/19/04

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

BRADLEY G. HILL

Date

10-18-04

Title

ENVIRONMENTAL SCIENTIST III

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

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JUL 20 2004

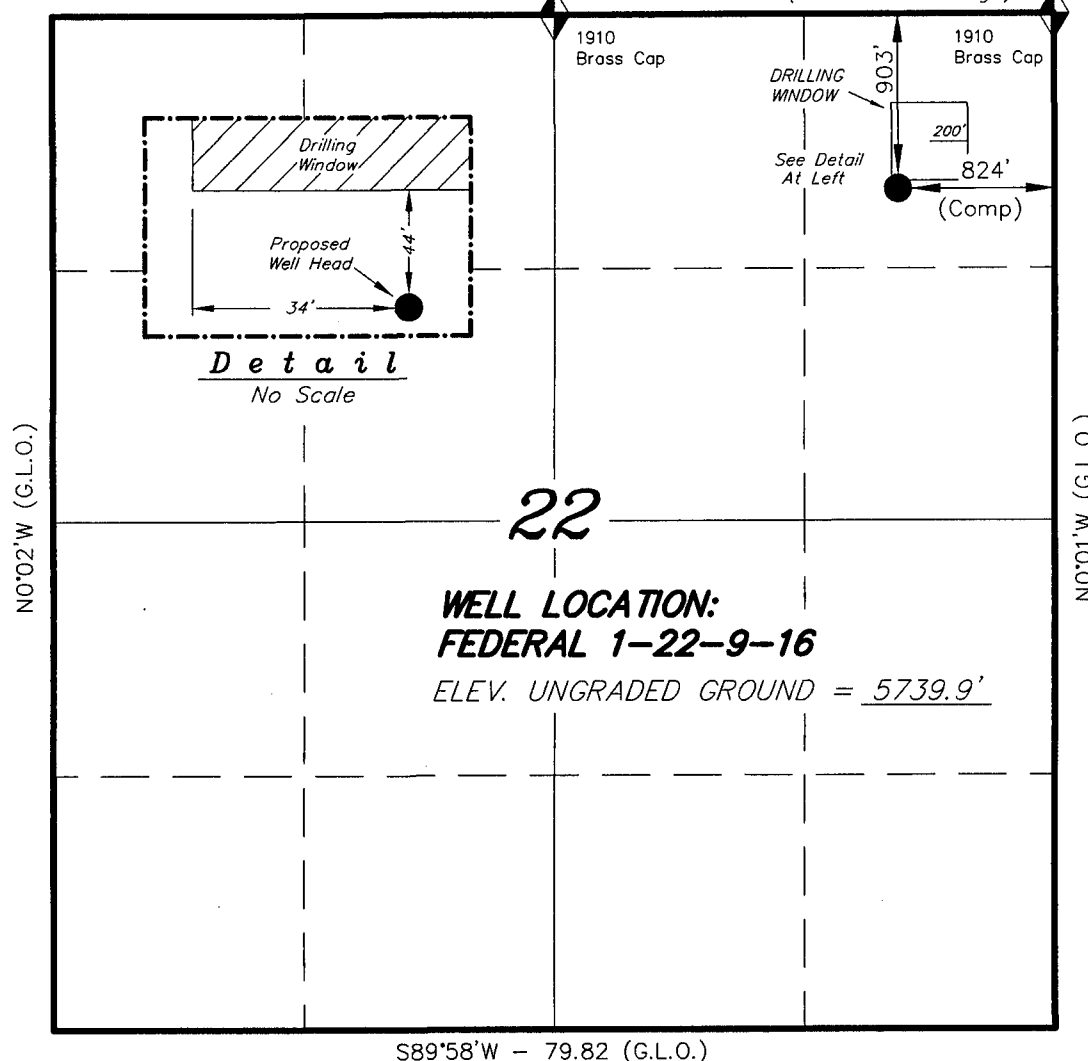
DIV. OF OIL, GAS &amp; MINING

**T9S, R16E, S.L.B.&M.**

S89°57'W - 79.76 (G.L.O.)

2629.75' (Measured)

S89°57'W G.L.O. (Basis of Bearings)

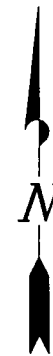


**INLAND PRODUCTION COMPANY**

WELL LOCATION, FEDERAL 1-22-9-16,  
LOCATED AS SHOWN IN THE NE 1/4 NE  
1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.

Note:

The Well Locatins Bears S42°20'07"W  
1223.00' From the Northeast Corner  
of Section 22.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.

STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 189377  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

|                   |                     |
|-------------------|---------------------|
| SCALE: 1" = 1000' | SURVEYED BY: D.J.S. |
| DATE: 3-11-04     | DRAWN BY: R.V.C.    |
| NOTES:            | FILE #              |

◆ = SECTION CORNERS LOCATED

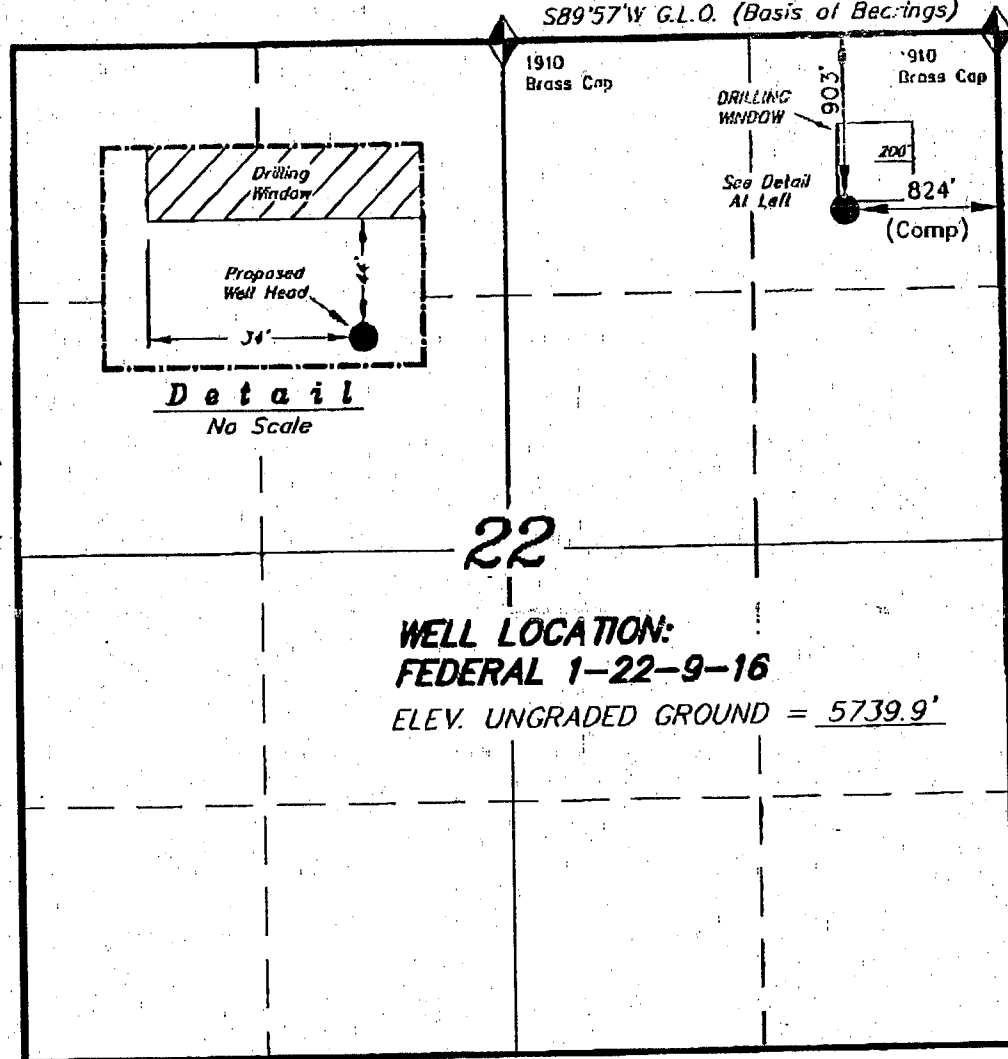
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**T9S, R16E, S.L.B.&M.**

S89°57'W - 79.76 (G.L.O.)

2629.75' (Measured)

S89°57'W G.L.O. (Basis of Bearings)



**WELL LOCATION:  
FEDERAL 1-22-9-16**

ELEV. UNGRADED GROUND = 5739.9'

S89°58'W - 79.82 (G.L.O.)

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**INLAND PRODUCTION COMPANY**

WELL LOCATION, FEDERAL 1-22-9-16,  
LOCATED AS SHOWN IN THE NE 1/4 NE  
1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.

**Note:**

The Well Location Bears S42°20'07"W  
1223.00' From the Northeast Corner  
of Section 22.

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS  
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MADE BY ME OR UNDER MY SUPERVISION AND THAT  
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STACY W. STEWART  
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**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: D.J.S.

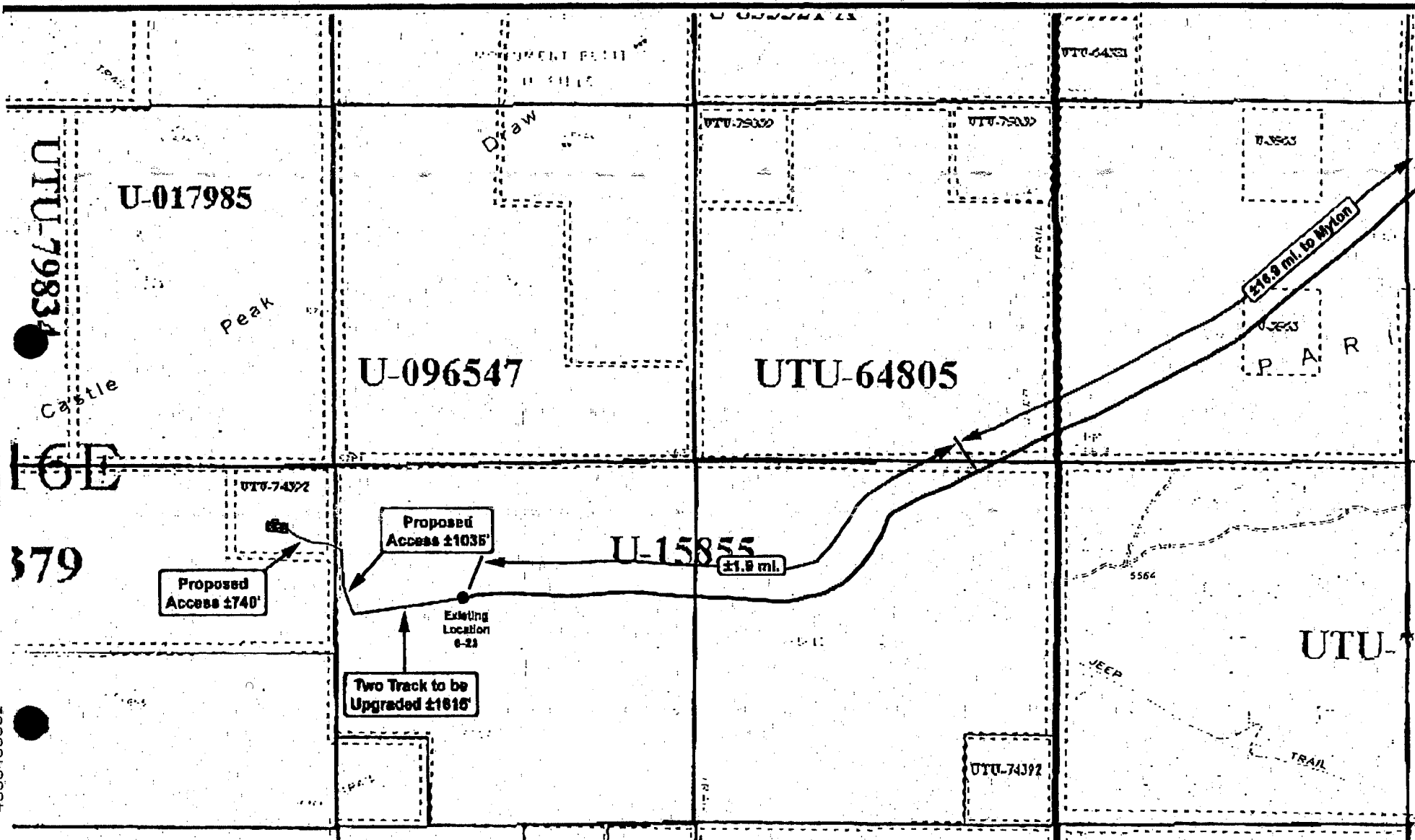
DATE: 3-11-04

DRAWN BY: R.V.C.

NOTES:

FILE #





**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 160 North Vernal Ave. Vernal, Utah 84078

**SCALE: 1" = 2,000'**  
**DRAWN BY: bgm**  
**DATE: 06-24-2004**

| Legend |                   |
|--------|-------------------|
|        | Existing Road     |
|        | Proposed Access   |
|        | Access to Upgrade |

**"B"**

**UTU-1138**

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T98-R16E  
Duschem County, Utah

Please be advised that Thomas Lambert does not object to the proposed location on the  
aforementioned well.

By: Thomas J. Lambert Date: 9/25/04

THOMAS J. LAMBERT  
Print Name and Title

Re: Exception Location: Federal 15-12-9-16  
2155' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Larry R. Simpson does not object to the proposed exception location referenced above.

By:

LARRY R SIMPSON  
Print Name and Title

Date:

August 21 2004

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Vaughey & Vaughey does not object to the proposed exception location referenced above.

By: *CH Williams*

Date: *9/13/04*

*CH WILLIAMS, JR*  
Print Name and Title  
*Attorney in Fact*

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2335' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschemo Cty., Utah; Lease UTU-035521

Please be advised that Montana & Wyoming Oil Company does not object to the proposed exception location referenced above.

By: Robert C. Balsam Jr. Date: 8-23-04  
Robert C. Balsam Jr. - President  
Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that John Warne does not object to the proposed exception location referenced above.

By: John R. Warne Date: Sept. 17, 2004  
John R. Warne  
Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Bonnie Warne does not object to the proposed exception location referenced above.

By: Bonnie Warne Date: Sept. 17'04

Bonnie Warne  
Print Name and Title

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Carl Field does not object to the proposed exception location referenced above.

By: Carl B. Field

Date: 9-22-04

CARL B. FIELD

Print Name and Title



To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Carol Bibler does not object to the proposed exception location referenced above.

By: Carol Bibler

Date: 8-27-04

CAROL BIBLER  
Print Name and Title

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12 T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Leslie Breaux does not object to the proposed exception location referenced above.

By: Leslie Breaux Date: 10/02/04

Leslie Breaux, President WJLk Harrington, Inc.  
Print Name and Title

**INLAND PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

|             |            |
|-------------|------------|
| Uinta       | 0' – 1640' |
| Green River | 1640'      |
| Wasatch     | 5865'      |

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1640' – 6500' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Federal #1-22-9-16 located in the NE 1/4 NE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 5.5 miles  $\pm$  to the existing 6-23-9-16 location; proceed westerly - 1,615'  $\pm$  along an existing two track road to be upgraded to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 1,775'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #02-135, 12/17/02. Paleontological Resource Survey prepared by, Wade E. Miller, 9/25/02. See attached report cover pages, Exhibit "D".

For the Federal #1-22-9-16 Inland Production Company requests a 1,615' ROW be granted in Lease U-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Inland Production Company requests a 2,650' ROW in Lease U-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Inland Production Company requests a 2,650' ROW in Lease U-15855, and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between February 1 and July 15. If the nest remains inactive on July 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and February 1 of the following year. If the nest site becomes active prior to July

15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

A 12 mil liner will be required if rock is encountered. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

|                   |                               |            |
|-------------------|-------------------------------|------------|
| Shadscale         | <i>Atriplex confertifolia</i> | 3 lbs/acre |
| Garnders Saltbush | <i>Atriplex gardneri</i>      | 4 lbs/acre |
| Galleta Grass     | <i>Hilaria jamesii</i>        | 4 lbs/acre |
| Black Sage Brush  | <i>Artemisia nova</i>         | 1 lbs/acre |

**Details of the On-Site Inspection**

The proposed Federal #1-22-9-16 was on-sited on 11/5/03. The following were present; Brad Mecham (Inland Production), Byron Tolman (Bureau of Land Management), and a SWCA representative. The temperature was 30 degrees with ground cover being 50% open.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Brad Mecham  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

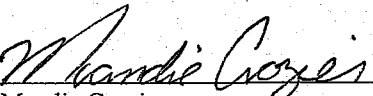
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #1-22-9-16 NE/NE Section 22, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

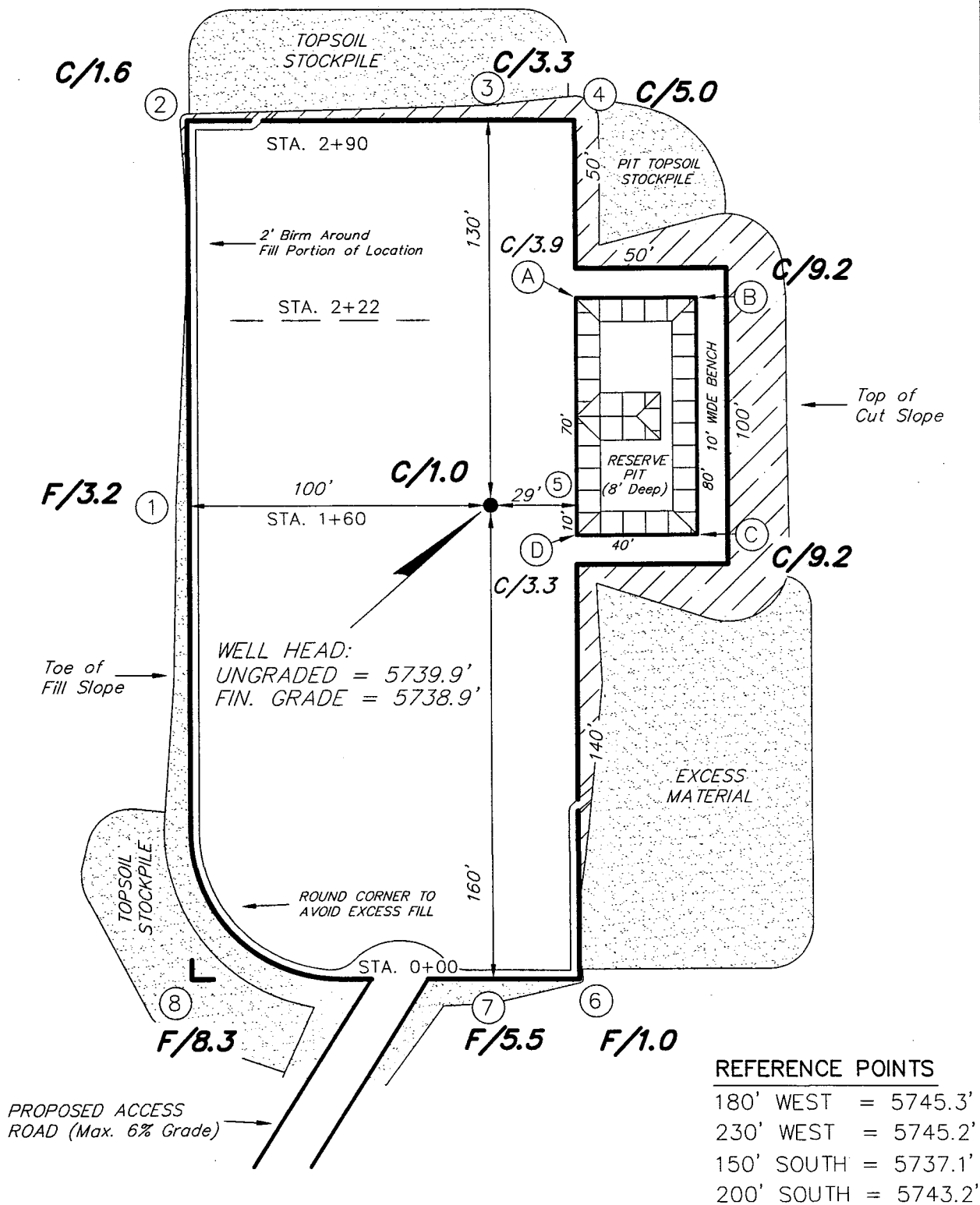
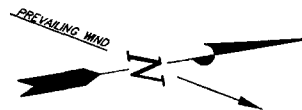
I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

7/19/04

Date

  
Mandie Crozier  
Regulatory Specialist

*FEDERAL 1-22-9-16*  
*SECTION 22, T9S, R16E, S.L.B.&M.*



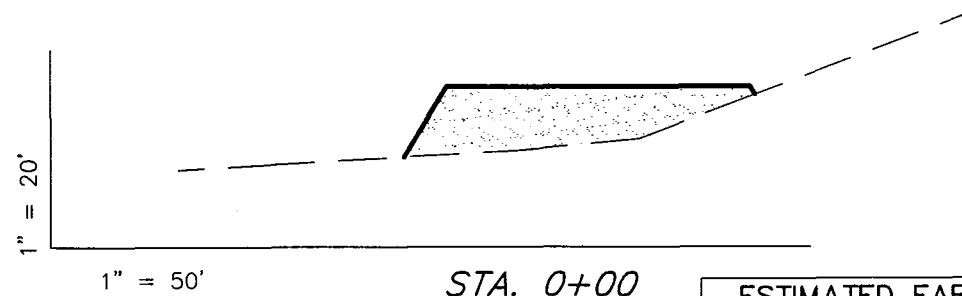
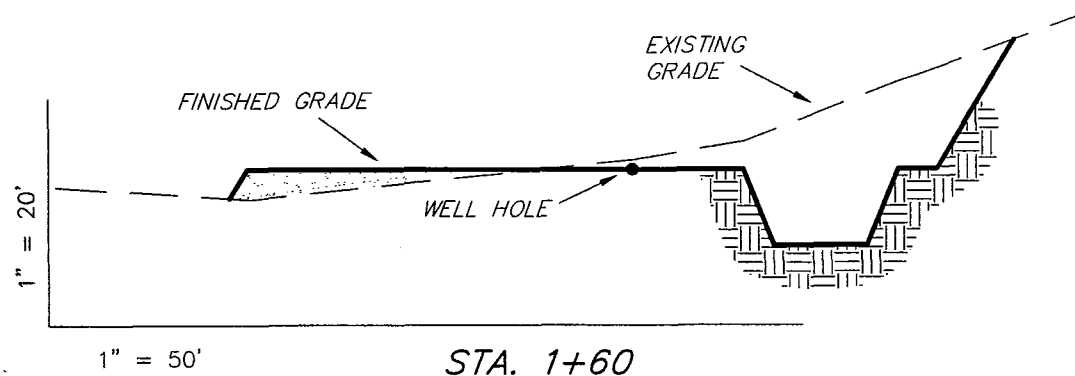
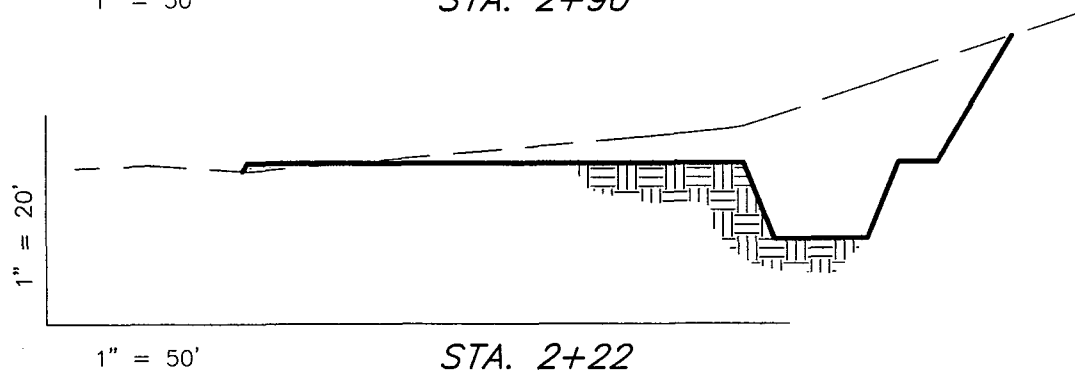
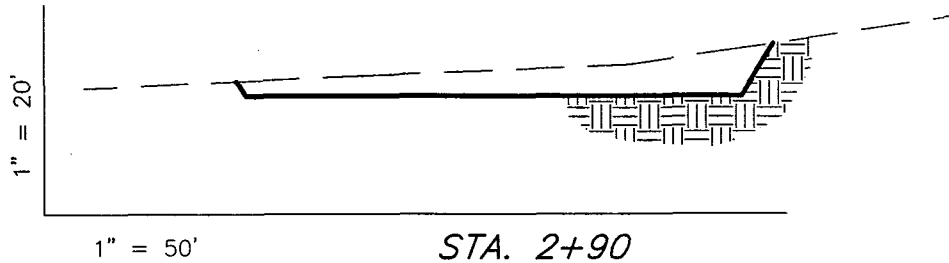
DATE: 3-11-04

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

FEDERAL 1-22-9-16



ESTIMATED EARTHWORK QUANTITIES  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

| ITEM   | CUT   | FILL  | 6" TOPSOIL                         | EXCESS |
|--------|-------|-------|------------------------------------|--------|
| PAD    | 2,780 | 2,770 | Topsoil is not included in Pad Cut | 10     |
| PIT    | 640   | 0     |                                    | 640    |
| TOTALS | 3,420 | 2,770 | 790                                | 650    |

NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: R.V.C.

DATE: 3-11-04

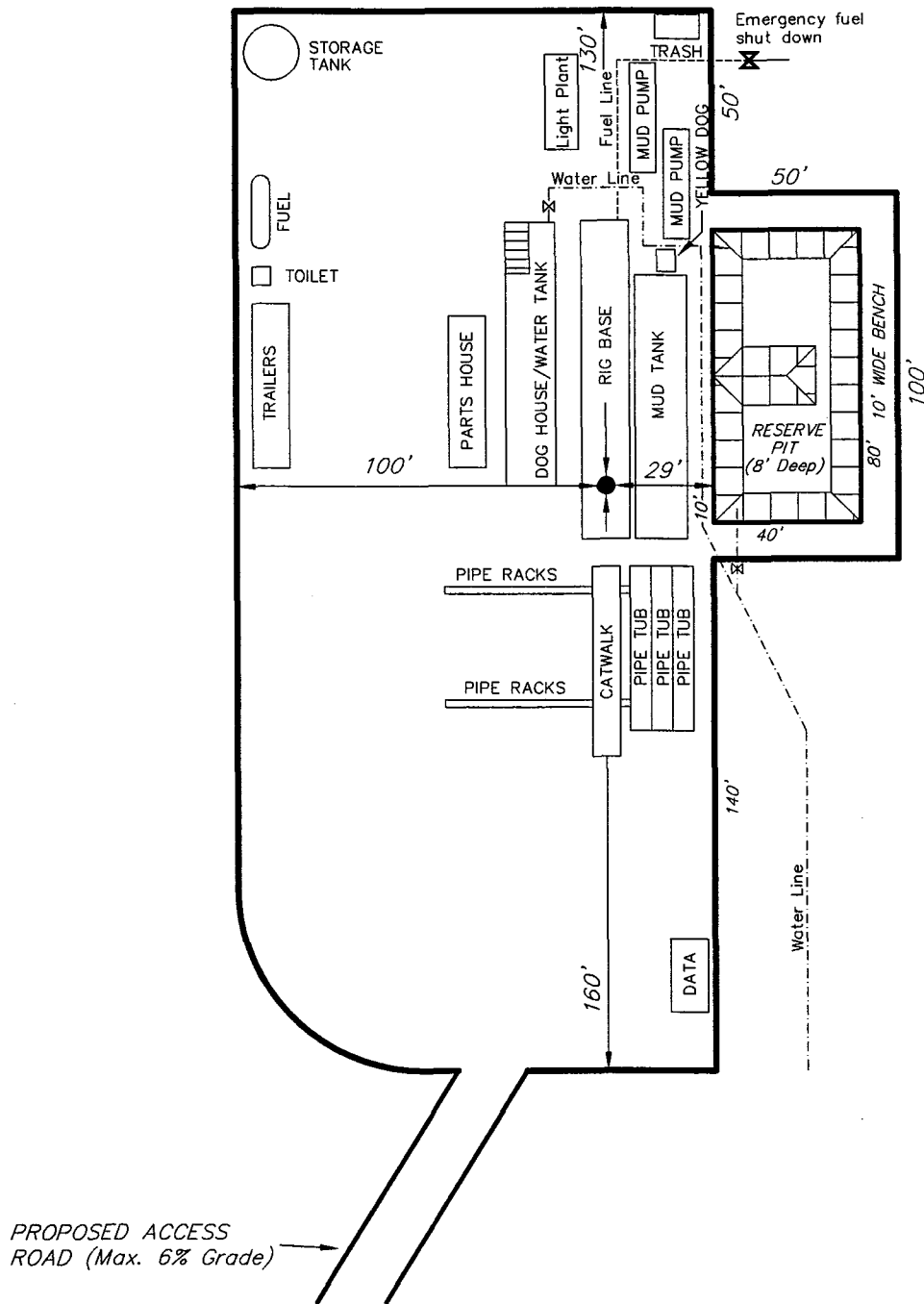
Tri State  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501



# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

FEDERAL 1-22-9-16



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

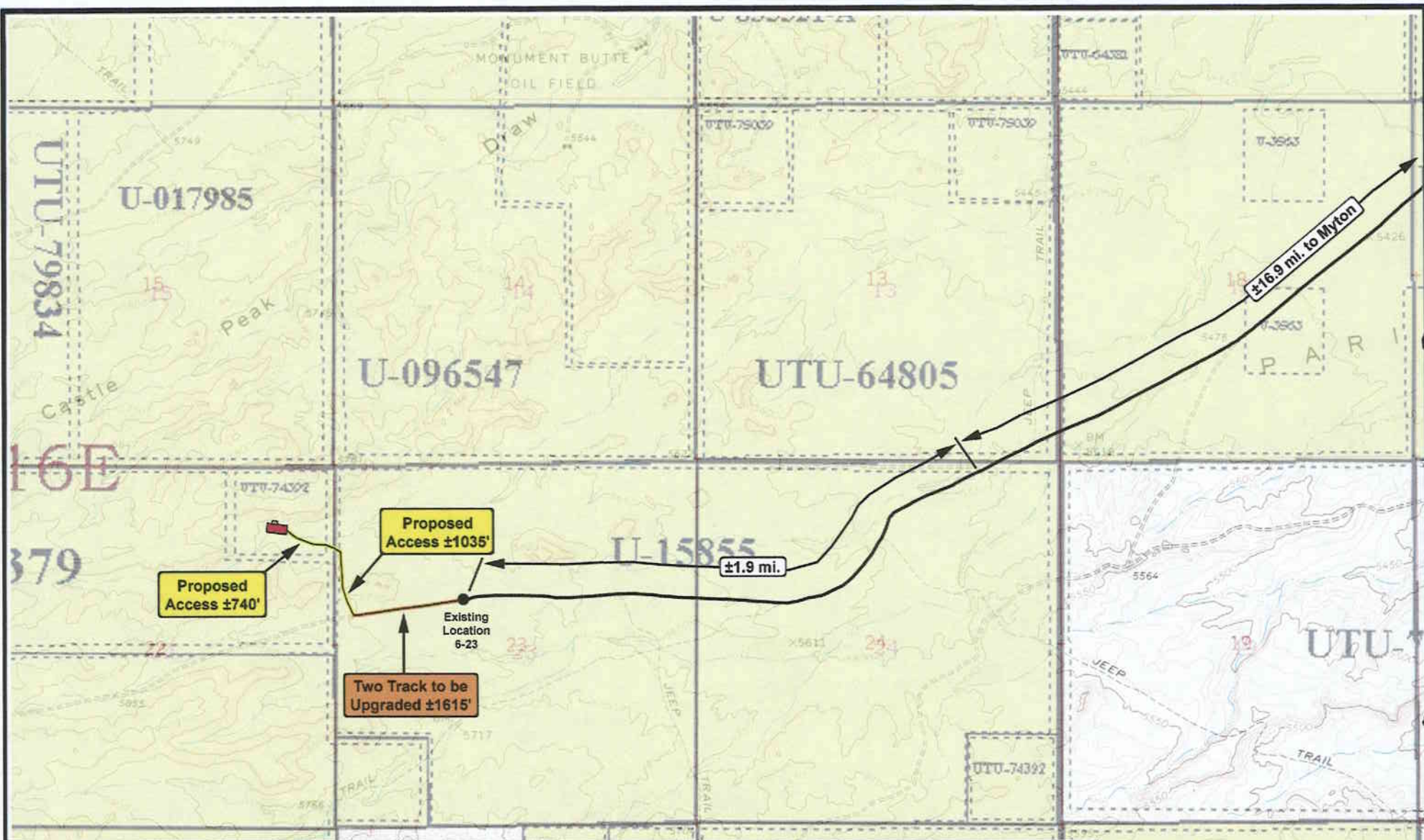
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Tri State  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

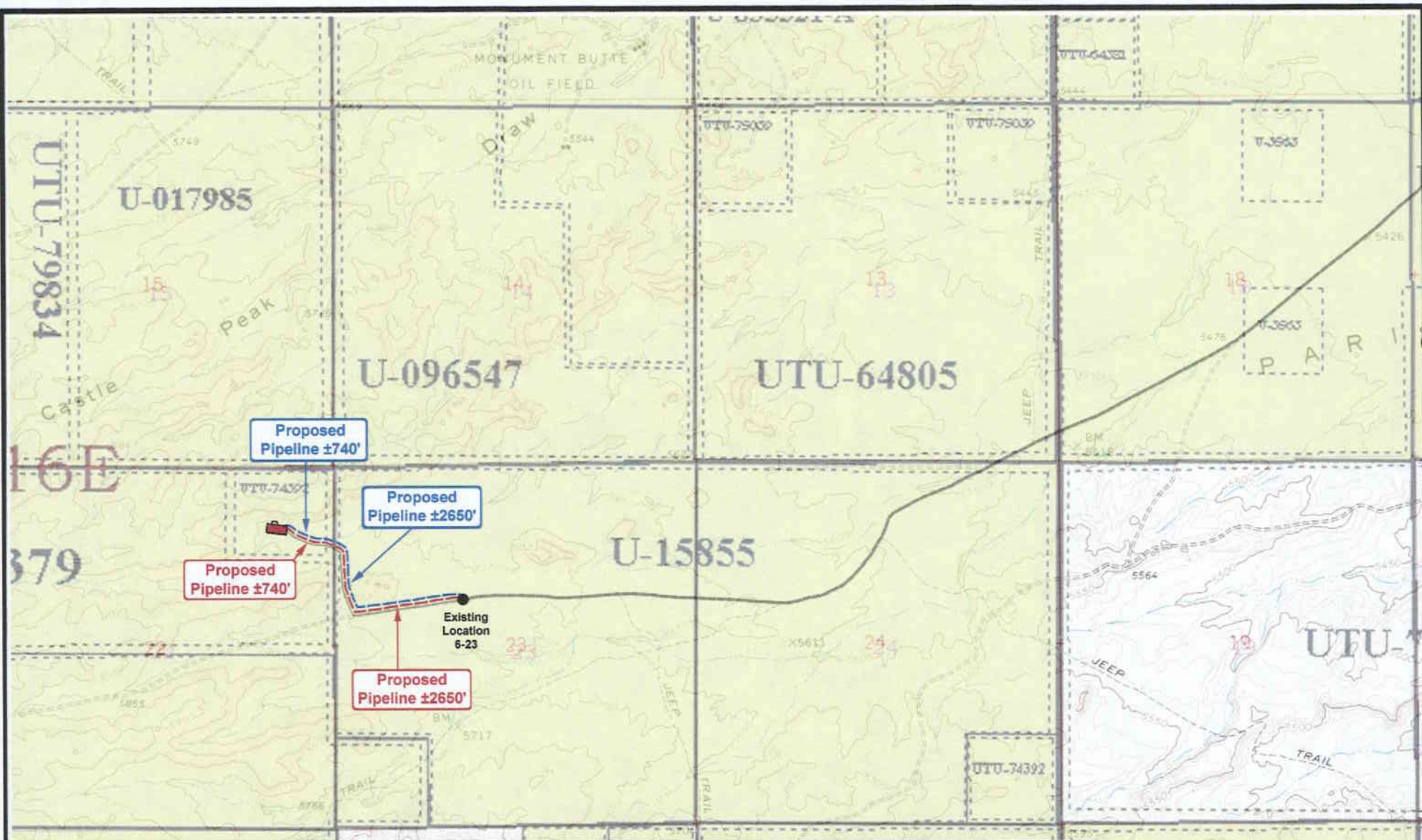
**SCALE: 1" = 2,000'**  
**DRAWN BY: bgm**  
**DATE: 06-24-2004**

**Legend**

- Existing Road
- Proposed Access
- Access to Upgrade

**"B"**





**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: bgm  
 DATE: 06-24-2004

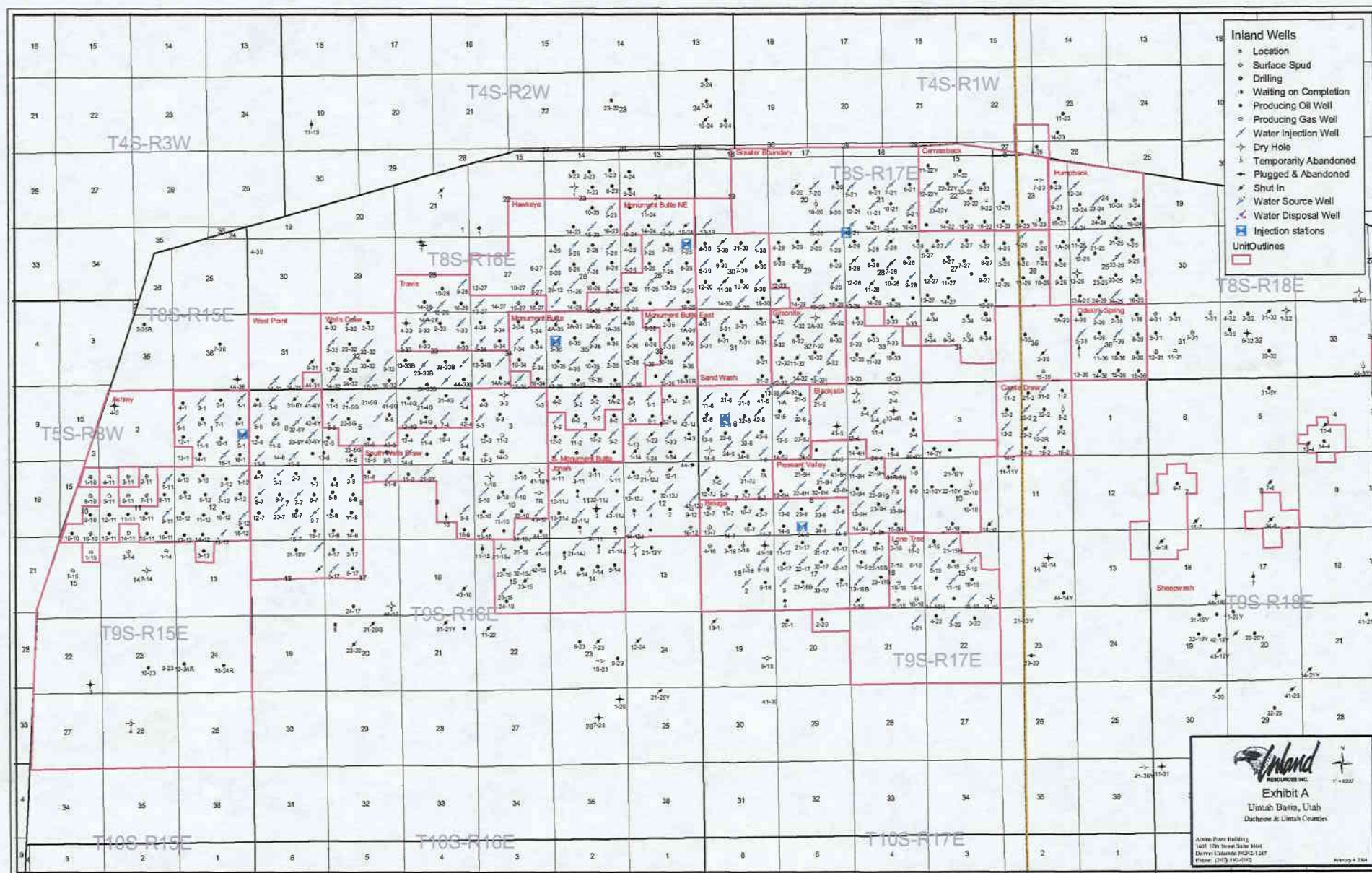
**Legend**

- Existing Road
- Proposed Access
- Proposed Gas Line
- Proposed Water Line

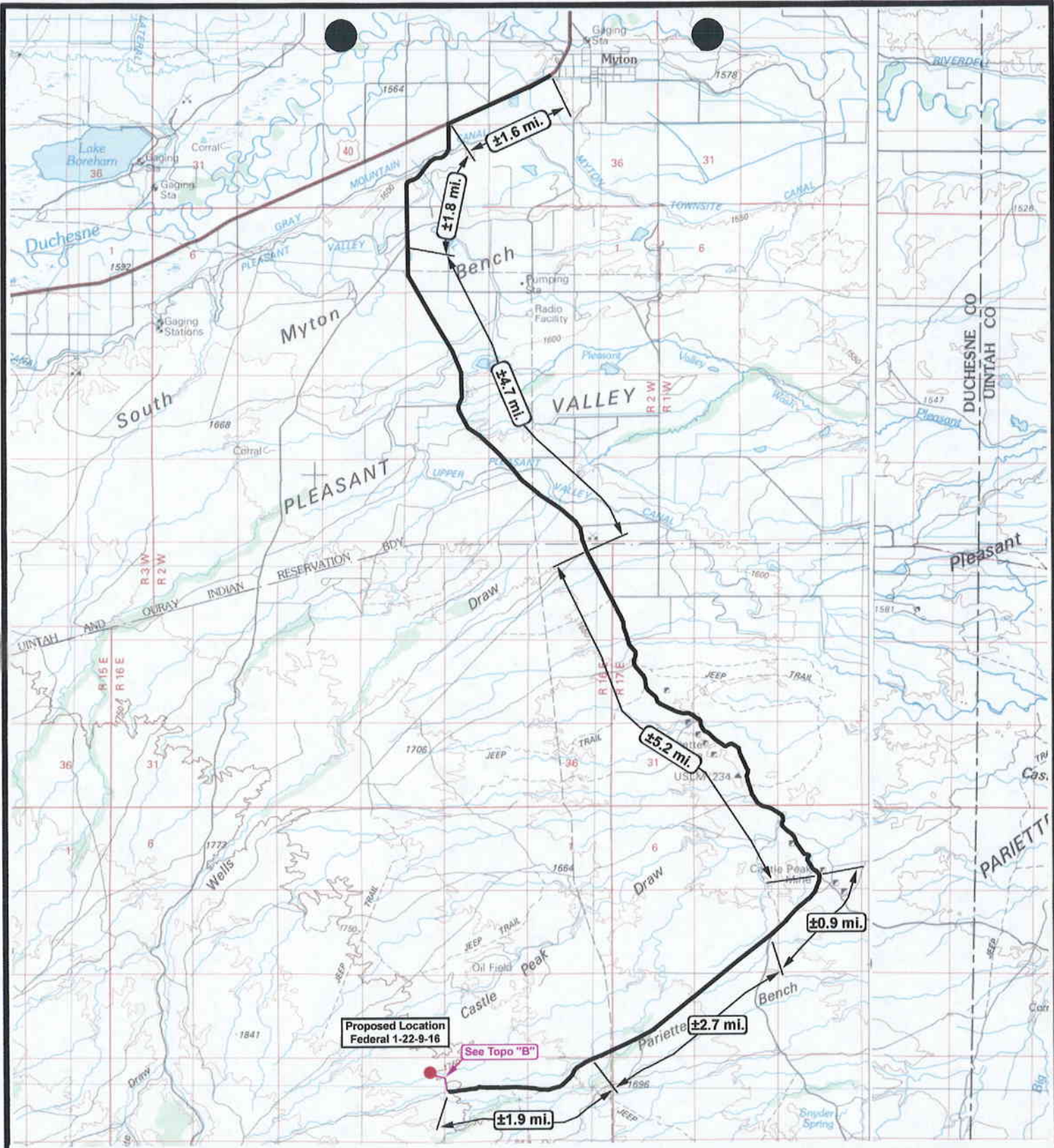
**"C"**

UTU-11385









**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
 (435) 781-2501  
 38 West 100 North Vernal, Utah 84078

SCALE: 1" = 100,000'  
 DRAWN BY: D.J.  
 DATE: 11-27-2001

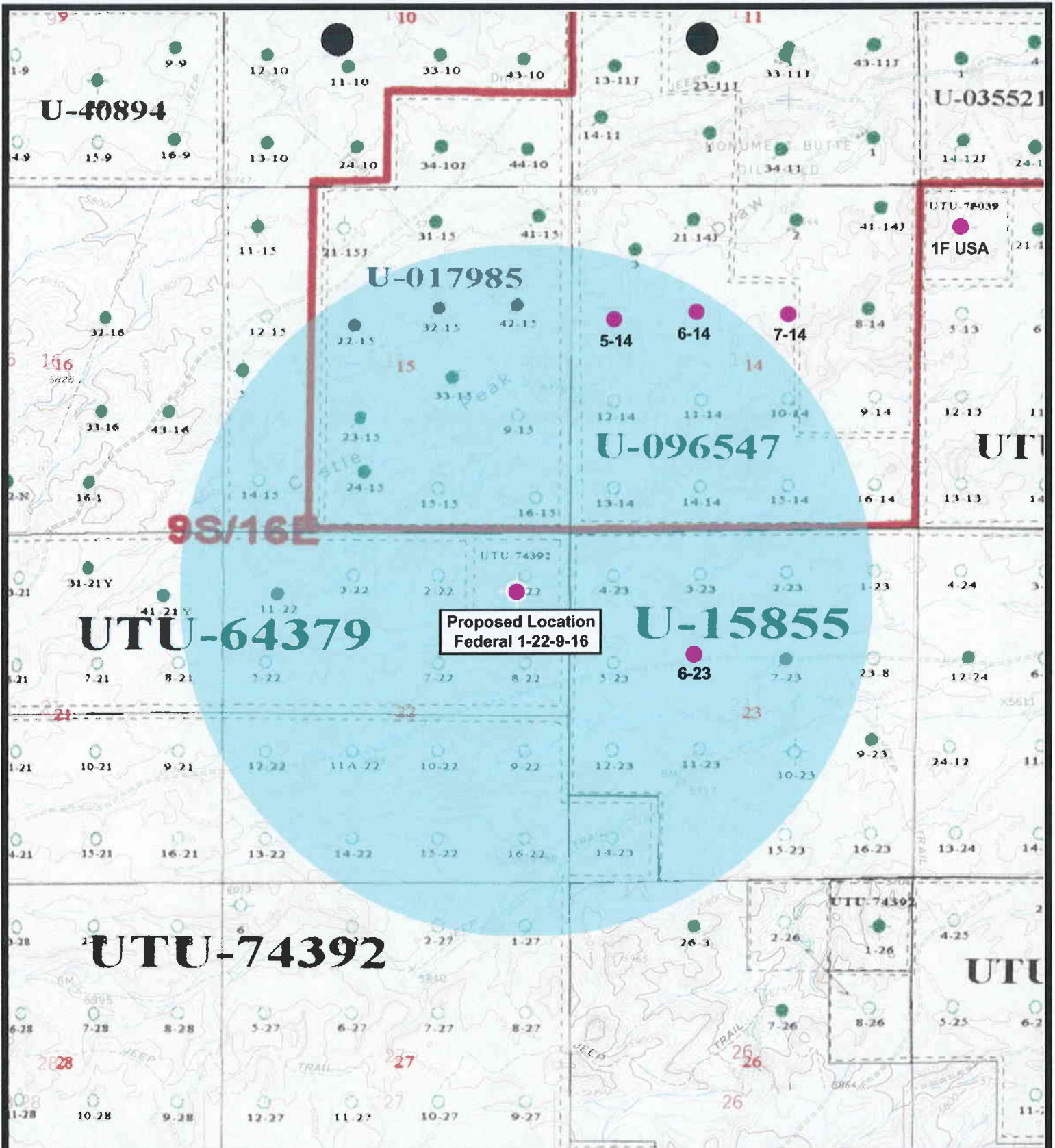
**Legend**

— Existing Road  
 — Proposed Access

TOPOGRAPHIC MAP

**"A"**





**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

**SCALE: 1" = 2,000'**  
**DRAWN BY: bgm**  
**DATE: 06-24-2004**

**Legend**

- **Well Locations**
- **One-Mile Radius**

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

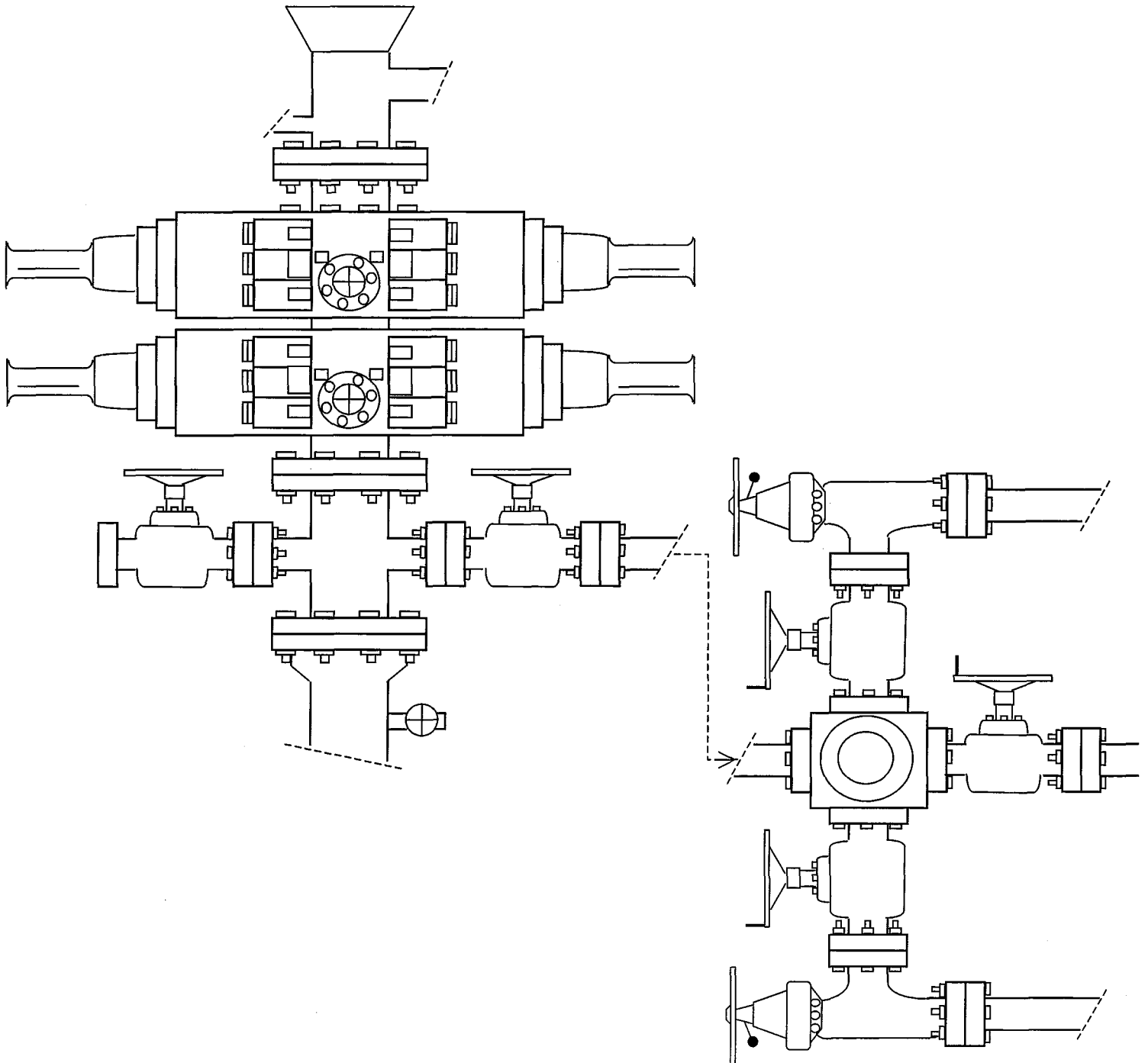


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES'  
FOURTEEN BLOCK PARCELS WITH ACCESS ROUTES AND  
PIPELINE CORRIDORS, IN DUCHESNE AND  
UINTAH COUNTIES, UTAH

by

Sarah Ball  
and  
Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office  
Vernal, Utah

and

State of Utah  
School and Institutional Trust Lands Administration

Prepared Under Contract With:

Inland Resources, Inc.  
410 17<sup>th</sup> Street, Suite 700  
Denver, CO 80202

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report NO. [02-135]

December 17, 2002

United States Department of Interior (FLPMA)  
Permit No. 02-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-02-MQ-0586b,s



**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE AND UTAH COUNTIES, UTAH**

(NE & SE 1/4, Sec. 2, - SW, SW 1/4, Sec. 15, - NW, NW 1/4 & NE, SE 1/4, Sec. 22,  
SE 1/4, Sec. 23, - NE, SW 1/4, Sec. 24, - NE, SW 1/4, Sec. 27, T 9 S, R 15 E.  
SE, SE 1/4, Sec. 20 - SW 1/4, Sec. 29 - SE, SE 1/4, Sec. 30 - NE, NE 1/4, Sec. 31,  
T 8 S, R 16 E. NE, SW 1/4, Sec. 20, - NE, NE 1/4, Sec. 22, T 9 S, R 16 E, Duchesne  
County. NW, NE 1/4, Sec. 25, T 9 S, R 17 E. SW 1/4, Sec. 6, - NW 1/4, Sec. 1,  
NW 1/4, Sec. 14, - NW, NE 1/4, Sec. 23, T 9 S, R 18 E, Uintah County.)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 25, 2002

004

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/20/2004

API NO. ASSIGNED: 43-013-32612

WELL NAME: FEDERAL 1-22-9-16

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

## PROPOSED LOCATION:

NENE 22 090S 160E

SURFACE: 0903 FNL 0824 FEL

BOTTOM: 0903 FNL 0824 FEL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LATITUDE: 40.02111

LONGITUDE: 110.09834

## RECEIVED AND/OR REVIEWED:

☒ Plat☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )☒ Potash (Y/N)☒ Oil Shale 190-5 (B) or 190-3 or 190-13☒ Water Permit  
(No. MUNICIPAL )☒ RDCC Review (Y/N)  
(Date: )☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

R649-2-3.

Unit

R649-3-2. General

Siting: 460 From Qtr/Qtr &amp; 920' Between Wells

☒ R649-3-3. Exception

Drilling Unit

Board Cause No:

Eff Date:

Siting:

R649-3-11. Directional Drill

COMMENTS:

*See Separate file*

STIPULATIONS:

*1- Federal Approval  
2- Spacing Stip*



**RECEIVED**

OCT 12 2004

**NEWFIELD****MAIL ROOM***2nd request  
10-7-04*

August 18, 2004

Yates Petroleum Corporation  
Yates Drilling Company  
Myco Industries, Inc.  
Abo Petroleum Corporation  
105 South Fourth Street  
Artesia, New Mexico 88210-2118

Attn: Bonnie Floore

Re: Exception Locations

Dear Ms. Floore:

Please be advised that Inland Production Company is requesting approval from the Utah Division of Oil, Gas & Mining for the following exception locations:

Fed 12-4-9-18; 340' FWL, 2041' FSL Sec 4-T9S-R18E; the various Yates associates referenced above have ownership in the offsetting lease UTU-65970. The exception location is requested due to an active eagle nest.

Federal 15-31-8-18; 2246' FEL, 668' FSL Sec 31-T9S-R18E; the various Yates associates referenced above have ownership in the drillsite lease UTU-74404. The exception location is requested due to active eagle and hawk nests.

Federal 1-22-9-16; 903' FNL, 824' FEL Sec 22-T9S-R16E; the various Yates associates referenced above have ownership in the drillsite lease UTU-74392 and in offsetting lease UTU-64379. The exception location is due to extreme terrain.

Federal 15-12-9-16; 2355' FEL, 427' FSL SWSE Sec 12-T9S-R16E; the various Yates associates referenced above have ownership in the offsetting lease UTU-64805. The exception location is requested due to archeological reasons.

Federal 10-5-9-18; 1875' FSL, 2185' FEL, NWSE Sec 5-T9S-R18E; the various Yates associates referenced above have ownership in the drillsite lease UTU-65970. The exception location is requested due to terrain.

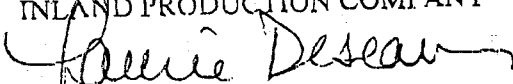
Federal 6-12-9-17; 2014' FNL, 2192' FEL, SENW Sec 12-T9S-R17E; the various Yates associates referenced above have ownership in the drillsite lease UTU-75234. The exception location is due to extreme terrain.

Federal 9-14-9-17; 2210' FSL, 923' FEL, NESE Sec 14-T9S-R17E; the various Yates associates referenced above have ownership in the drillsite lease UTU-64806. The exception location is requested due to an eagle nest.

Attached please find the corresponding Application to Drill and survey plat copies to assist you in your review. Upon agreement to these locations, please verify your consent by signing and dating where indicated at the bottom of this facsimile. Please return to my attention as soon as possible using the following Inland fax number: 303-893-0103. If I can provide additional information to assist you in your review please do not hesitate to contact me. Thank you for your assistance in this matter.

Sincerely,

INLAND PRODUCTION COMPANY

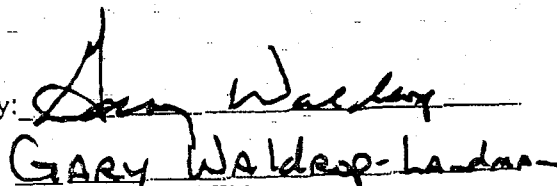


Laurie Deseau

Properties Administrator

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

By:



Print Name and Title

Date: 10-12-04



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>



IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

|         |        |        |        |       |        |
|---------|--------|--------|--------|-------|--------|
| UTSL-   | 15855  | 61052  | 73088  | 76561 |        |
| 071572A | 16535  | 62848  | 73089  | 76787 |        |
| 065914  | 16539  | 63073B | 73520A | 76808 |        |
|         | 16544  | 63073D | 74108  | 76813 |        |
|         | 17036  | 63073E | 74805  | 76954 | 63073X |
|         | 17424  | 63073O | 74806  | 76956 | 63098A |
|         | 18048  | 64917  | 74807  | 77233 | 68528A |
| UTU-    | 18399  | 64379  | 74808  | 77234 | 72086A |
|         | 19267  | 64380  | 74389  | 77235 | 72613A |
| 02458   | 26026A | 64381  | 74390  | 77337 | 73520X |
| 03563   | 30096  | 64805  | 74391  | 77338 | 74477X |
| 03563A  | 30103  | 64806  | 74392  | 77339 | 75023X |
| 04493   | 31260  | 64917  | 74393  | 77357 | 76189X |
| 05843   | 33992  | 65207  | 74398  | 77359 | 76331X |
| 07978   | 34173  | 65210  | 74399  | 77365 | 76788X |
| 09803   | 34346  | 65635  | 74400  | 77369 | 77098X |
| 017439B | 36442  | 65967  | 74404  | 77370 | 77107X |
| 017985  | 36846  | 65969  | 74405  | 77546 | 77236X |
| 017991  | 38411  | 65970  | 74406  | 77553 | 77376X |
| 017992  | 38428  | 66184  | 74411  | 77554 | 78560X |
| 018073  | 38429  | 66185  | 74805  | 78022 | 79485X |
| 019222  | 38431  | 66191  | 74806  | 79013 | 79641X |
| 020252  | 39713  | 67168  | 74826  | 79014 | 80207X |
| 020252A | 39714  | 67170  | 74827  | 79015 | 81307X |
| 020254  | 40026  | 67208  | 74835  | 79016 |        |
| 020255  | 40652  | 67549  | 74868  | 79017 |        |
| 020309D | 40894  | 67586  | 74869  | 79831 |        |
| 022684A | 41377  | 67845  | 74870  | 79832 |        |
| 027345  | 44210  | 68105  | 74872  | 79833 |        |
| 034217A | 44426  | 68548  | 74970  | 79831 |        |
| 035521  | 44430  | 68618  | 75036  | 79834 |        |
| 035521A | 45431  | 69060  | 75037  | 80450 |        |
| 038797  | 47171  | 69061  | 75038  | 80915 |        |
| 058149  | 49092  | 69744  | 75039  | 81000 |        |
| 063597A | 49430  | 70821  | 75075  |       |        |
| 075174  | 49950  | 72103  | 75078  |       |        |
| 096547  | 50376  | 72104  | 75089  |       |        |
| 096550  | 50385  | 72105  | 75090  |       |        |
|         | 50376  | 72106  | 75234  |       |        |
|         | 50750  | 72107  | 75238  |       |        |
| 10760   | 51081  | 72108  | 76239  |       |        |
| 11385   | 52013  | 73086  | 76240  |       |        |
| 13905   | 52018  | 73087  | 76241  |       |        |
| 15392   | 58546  | 73807  | 76560  |       |        |



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State



ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

## NEWFIELD



October 14, 2004

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

Re: Exception Location: Federal 1-22-9-16  
903'FNL, 824' FEL NENE Sec 22-T9S-R16E  
Duschene County, Utah; Lease U-74392

Dear Ms. Whitney:


Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 44' south of the drilling window tolerance for the NENE of Sec 22, T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected in order to comply with federal lease stipulation conditions. The requested location has been selected due to the extreme terrain.

Please note the location is completely within Federal lease U-74392. The drillsite lease and all surrounding acreage within a four hundred sixty (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners and their consent to this location exception is attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

  
Laurie Deseau  
Properties Administrator

RECEIVED

OCT 18 2004

DIV. OF OIL, GAS & MINING



State of Utah  
Department of  
Natural Resources

ROBERT L. MORGAN  
Executive Director

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
Division Director

OLENE S. WALKER  
Governor

GAYLE F. McKEACHNIE  
Lieutenant Governor

October 18, 2004

Inland Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Federal 1-22-9-16 Well, 903' FNL, 824' FEL, NE NE, Sec. 22, T. 9 South,  
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32612.

Sincerely,

A handwritten signature in black ink, appearing to read "J.R. Baza".

John R. Baza  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Inland Production Company  
**Well Name & Number** Federal 1-22-9-16  
**API Number:** 43-013-32612  
**Lease:** UTU-74392

**Location:** NE NE                      **Sec.** 22                      **T.** 9 South                      **R.** 16 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

**5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.**

## OPERATOR CHANGE WORKSHEET

012

Change of Operator (Well Sold)

Designation of Agent/Operator

## ROUTING

1. GLH

2. CDW

3. FILE

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

9/1/2004

**FROM:** (Old Operator):

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO:** ( New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.

Unit:

**WELL(S)**

| NAME               | SEC TWN RNG |      |      | API NO     | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |   |
|--------------------|-------------|------|------|------------|-----------|------------|-----------|-------------|---|
| FEDERAL 15-34-8-17 | 34          | 080S | 170E | 4301332628 |           | Federal    | OW        | APD         | K |
| FEDERAL 14-34-8-17 | 34          | 080S | 170E | 4301332629 |           | Federal    | OW        | APD         | K |
| FEDERAL 13-34-8-17 | 34          | 080S | 170E | 4301332630 |           | Federal    | OW        | APD         | K |
| FEDERAL 12-34-8-17 | 34          | 080S | 170E | 4301332631 |           | Federal    | OW        | APD         | K |
| FEDERAL 16-13-9-16 | 13          | 090S | 160E | 4301332647 |           | Federal    | OW        | APD         | K |
| FEDERAL 15-13-9-16 | 13          | 090S | 160E | 4301332648 |           | Federal    | OW        | APD         | K |
| FEDERAL 14-13-9-16 | 13          | 090S | 160E | 4301332649 |           | Federal    | OW        | APD         | K |
| FEDERAL 13-13-9-16 | 13          | 090S | 160E | 4301332650 |           | Federal    | OW        | NEW         | K |
| FEDERAL 12-13-9-16 | 13          | 090S | 160E | 4301332651 |           | Federal    | OW        | APD         | K |
| FEDERAL 11-13-9-16 | 13          | 090S | 160E | 4301332652 |           | Federal    | OW        | APD         | K |
| FEDERAL 10-13-9-16 | 13          | 090S | 160E | 4301332653 |           | Federal    | OW        | APD         | K |
| FEDERAL 9-13-9-16  | 13          | 090S | 160E | 4301332654 |           | Federal    | OW        | APD         | K |
| FEDERAL 8-13-9-16  | 13          | 090S | 160E | 4301332655 |           | Federal    | OW        | APD         | K |
| FEDERAL 7-13-9-16  | 13          | 090S | 160E | 4301332656 |           | Federal    | OW        | APD         | K |
| FEDERAL 11-20-9-16 | 20          | 090S | 160E | 4301332598 |           | Federal    | OW        | APD         | K |
| FEDERAL 1-22-9-16  | 22          | 090S | 160E | 4301332612 |           | Federal    | OW        | NEW         | K |
| FEDERAL 9-10-9-17  | 10          | 090S | 170E | 4301332502 | 14325     | Federal    | OW        | DRL         | K |
| FEDERAL 13-11-9-17 | 11          | 090S | 170E | 4301332510 | 14273     | Federal    | OW        | P           | K |
| FEDERAL 12-11-9-17 | 11          | 090S | 170E | 4301332544 |           | Federal    | OW        | APD         | K |
| FEDERAL 1-15-9-17  | 15          | 090S | 170E | 4301332596 |           | Federal    | OW        | APD         | K |
|                    |             |      |      |            |           |            |           |             |   |
|                    |             |      |      |            |           |            |           |             |   |

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005

4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

5. If NO, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

NEWFIELD



February 18, 2005

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RECEIVED  
FEB 23 2005  
DIV. OF OIL, GAS & MINING

RE: Amended Applications for Permit to Drill: Federal 11-20-9-16, 1-22-9-16, 2-25-9-17, and 3-14-9-18.

Dear Diana:

Enclosed find the amended APD's on the above mentioned locations. These proposed locations were originally permitted as Oil Wells. It is proposed that they now be drilled as Deep Gas Wells. The well location footages have all changed due to the fact that the well pads will have to be made larger to accommodate the drilling rig required to drill these proposed well. The 10 Point Drilling Program and 13 Point Surface and Operations Plan have been amended as well. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

enclosures

RECEIVED

FEB 23 2005

Form 3160-3  
(September 2001)**AMENDED**

UNITED STATES DIV. OF OIL, GAS & MINING  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

|  |   |   |
|--|---|---|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER   |   | 5. Lease Serial No.<br>UTU-74392  |
| 1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone |   | 6. If Indian, Allottee or Tribe Name<br>N/A                                 |
| 2. Name of Operator<br>Newfield Production Company   |   | 7. If Unit or CA Agreement, Name and No.<br>N/A                             |
| 3a. Address<br>Route #3 Box 3630, Myton UT 84052   | 3b. Phone No. (include area code)<br>(435) 646-3721             | 8. Lease Name and Well No.<br>Federal 1-22-9-16                             |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface NE/NE 887' FNL 963' FEL 576903X 40.021113<br>At proposed prod. zone 4430279Y -110.098827                  |   | 9. API Well No.<br>43-013-32612   |
| 14. Distance in miles and direction from nearest town or post office*<br>Approximately 18.8 miles southwest of Myton, Utah   |   | 10. Field and Pool, or Exploratory<br>Monument Butte                        |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 433' f/ise, NA f/unit  |   | 11. Sec., T., R., M., or Blk. and Survey or Area<br>NE/NE Sec. 22, T9S R16E |
| 16. No. of Acres in lease<br>2080.00   | 17. Spacing Unit dedicated to this well<br>40 Acres             | 12. County or Parish<br>Duchesne  |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA  | 19. Proposed Depth<br>13,970'                                   | 13. State<br>UT   |
| 20. BLM/BIA Bond No. on file<br>UTU0056  | 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>5742' GL | 22. Approximate date work will start*<br>2nd Quarter 2005                   |
| 23. Estimated duration<br>Approximately seven (7) days from spud to rig release.   |   |   |

**24. Attachments**

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

|   |   |                  |
|---|---|------------------|
| 25. Signature<br><i>Mandie Crozier</i>            | Name (Printed/Typed)<br>Mandie Crozier  | Date<br>2/18/05  |
| Title<br>Regulatory Specialist                    |   |                  |
| Approved by (Signature)<br><i>Bradley G. Hill</i> | Name (Printed/Typed)<br>BRADLEY G. HILL | Date<br>03-02-05 |
| Title<br>Environmental Scientist III              |   |                  |
|   | Office                                  |                  |

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

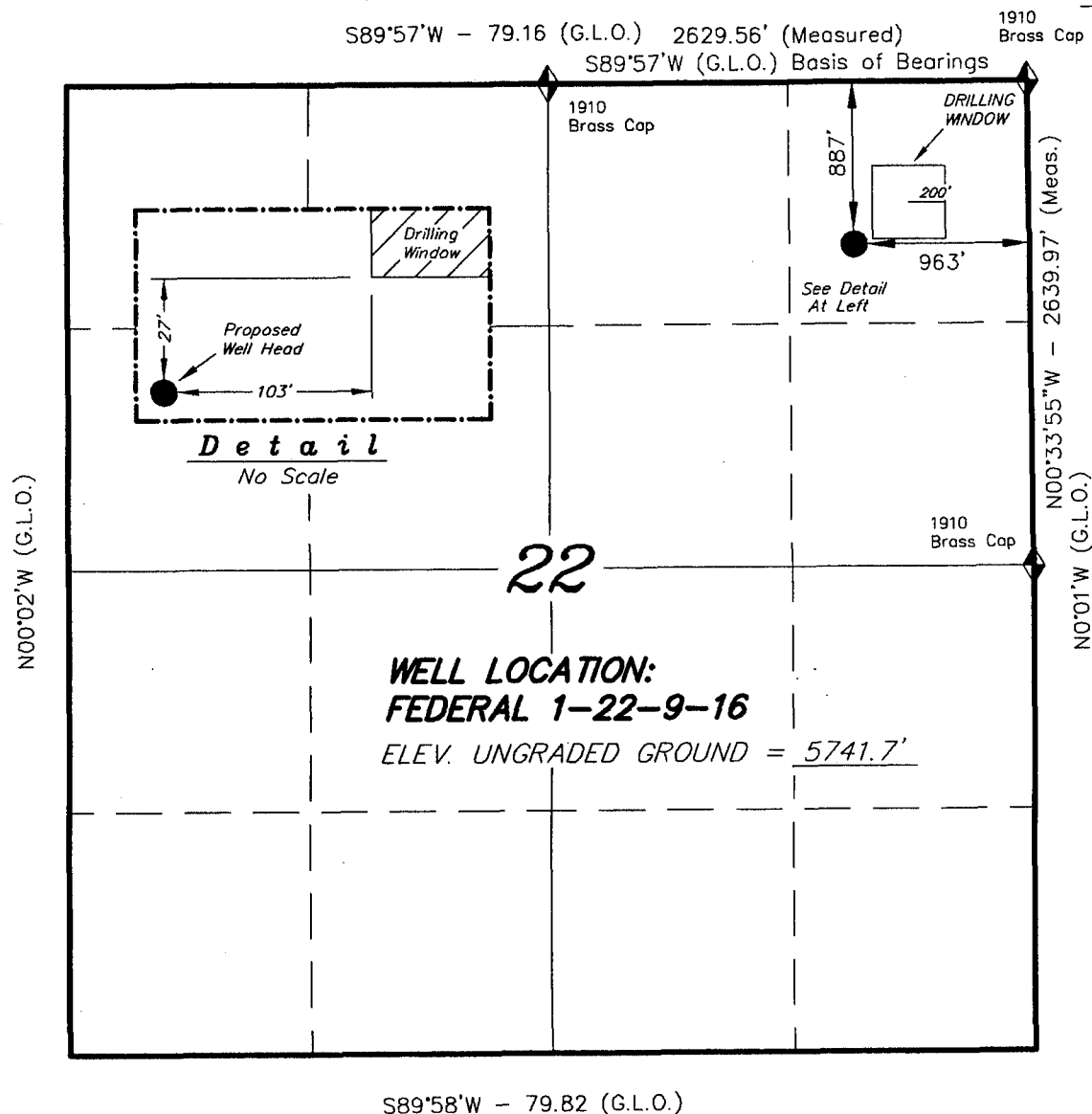
\*(Instructions on reverse)

**Federal Approval of this  
Action is Necessary**



**T9S, R16E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**



WELL LOCATION, FEDERAL 1-22-9-16,  
LOCATED AS SHOWN IN THE NE 1/4 NE  
1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

*Stacy W. Stewart*  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 189377  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

|                   |                   |
|-------------------|-------------------|
| SCALE: 1" = 1000' | SURVEYED BY: C.M. |
| DATE: 12-29-04    | DRAWN BY: F.T.M.  |
| NOTES:            | FILE #            |



= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

Form 2160-2  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

|  |  |  |   |  |  |
|--|--|--|---|--|--|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER   |  |  | FORM APPROVED<br>OMB No. 1004-0136<br>Expires January 31, 2004                    |  |  |
| 1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other                            |  |  | 5. Lease Serial No.<br>UTU-74392  |  |  |
| 2. Name of Operator<br>Newfield Production Company   |  |  | 6. If Indian, Allottee or Tribe Name<br>N/A                                       |  |  |
| 3a. Address<br>Route #3 Box 3630, Myton UT 84052   |  |  | 7. If Unit or CA Agreement, Name and No.<br>N/A                                   |  |  |
| 3b. Phone No. (include area code)<br>(435) 646-3721  |  |  | 8. Lease Name and Well No.<br>Federal 1-22-9-16                                   |  |  |
| 4. Location of Well (Report location clearly and in accordance with any State requirements.)<br>At surface NE/NE 88° ENE 88° EEL<br>At proposed prod. zone |  |  | 9. API Well No.   |  |  |
| 14. Distance in miles and direction from nearest town or post office<br>Approximately 16.8 miles southwest of Myton, Utah                                  |  |  | 10. Field and Pool, or Exploratory<br>Monument Rule                               |  |  |
| 15. Distance from proposed location to nearest property or lease line, ft.<br>(Also to nearest drg. unit line, if any) Approx. 450' (see, NA, then)        |  |  | 11. Sec., T., R., M., or B.L. and Survey or Area<br>NE/NE Sec. 22, T8S R16E       |  |  |
| 16. No. of Acres in lease<br>2080.00   |  |  | 12. County or Parish<br>Duchesne  |  |  |
| 17. Spacing Unit designated to this well<br>40 Acres   |  |  | 13. State<br>UT   |  |  |
| 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.<br>NA  |  |  | 19. Proposed Depth<br>13,970'   |  |  |
| 20. BLM/BIA Bond No. on file<br>UTU0056  |  |  | 21. Estimated duration<br>Approximately 60 days (7 days from start to 10 minutes) |  |  |
| 22. Approximate date work will start<br>2nd Quarter 2005   |  |  | 23. Estimated duration<br>Approximately 60 days (7 days from start to 10 minutes) |  |  |
| 24. Attachments  |  |  | 25. Elevation (Show whether Dr., KDB, RT, GL, etc.)<br>5742' GL                   |  |  |

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (If the location is on National Forest System Land, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
- Operator certification.
- Such other plan specific information and/or plans as may be required by the authorized officer.

|  |  |                 |
|--|--|-----------------|
| 26. Signature<br><i>Mandie Crozier</i> | Name (Printed/Typed)<br>Mandie Crozier | Date<br>2/18/05 |
| Title<br>Regulatory Specialist         |  |                 |
| Approved by (Signature)                | Name (Printed/Typed)                   | Date            |
| Title                                  | Office                                 |                 |

Application approved does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

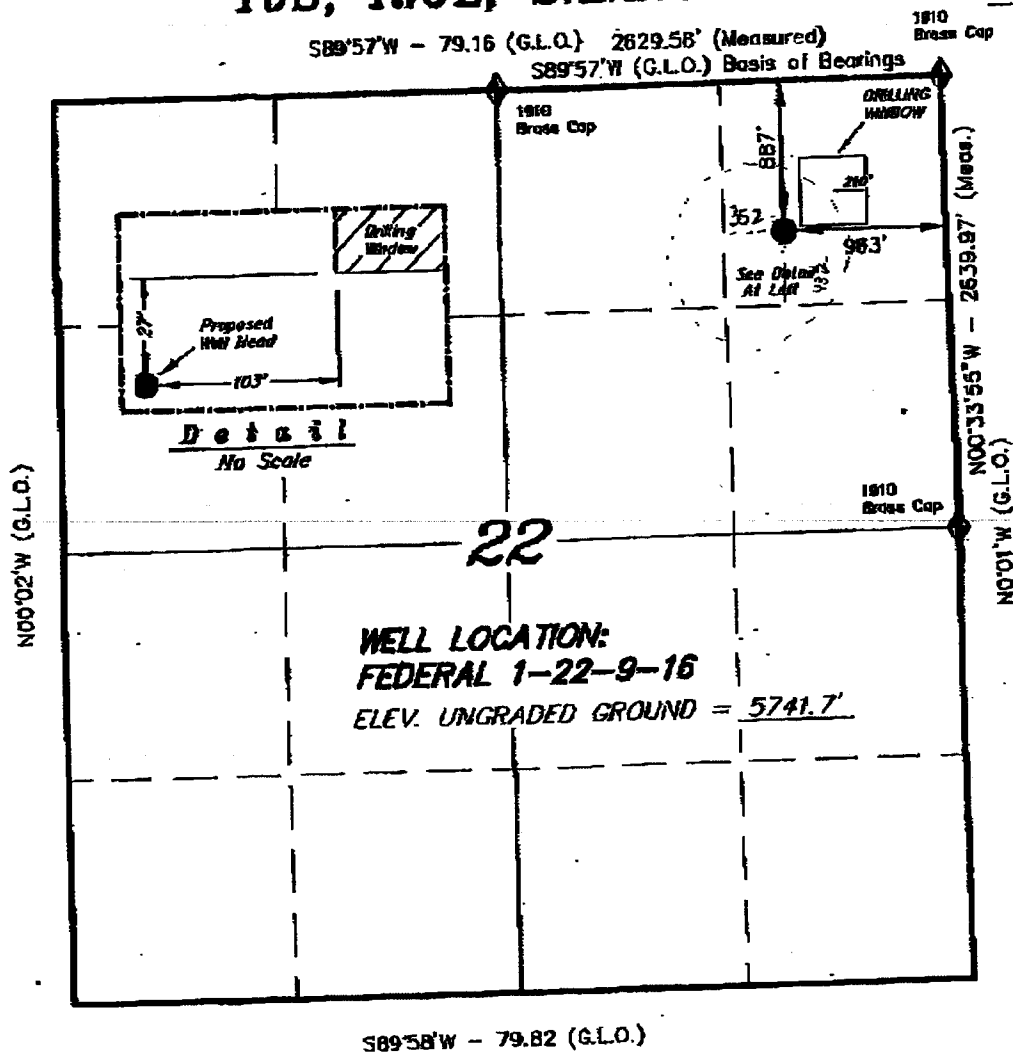
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**T9S, R16E, S.L.B.&M.**

S89°57'W - 79.16 (G.L.O.) 2629.58' (Measured)  
S89°57'W (G.L.O.) Basis of Bearings



(G.L.O.) M.20.00N

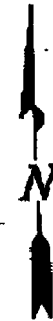
S89°58'W - 79.82 (G.L.O.)

◆ = SECTION CORNERS LOCATED

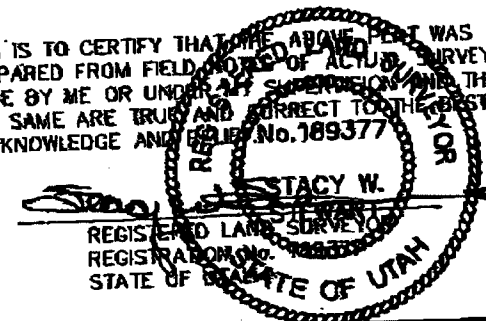
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, FEDERAL 1-22-9-16,  
LOCATED AS SHOWN IN THE NE 1/4 NE  
1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
PREPARED FROM FIELD BOOKS OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

|                   |                   |
|-------------------|-------------------|
| SCALE: 1" = 1000' | SURVEYED BY: C.M. |
| DATE: 12-29-04    | DRAWN BY: F.T.M.  |
| NOTES:            | FILE #            |

03/01/2005 16:56 3033824454  
02/28/2005 09:17 4356431

NEWFIELD ROCKY MTNS  
INLAND

PAGE 03  
PAGE 04



NEWFIELD PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

|             |            |
|-------------|------------|
| Uinta       | 0' - 2450' |
| Green River | 2450'      |
| Wasatch     | 5950'      |
| Mesaverde   | 10540'     |
| Castlegate  | 12965'     |
| Blackhawk   | 13515'     |
| Mancos      | 13970'     |

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

|   |               |
|---|---------------|
| Green River Formation (Oil)                                   | 2450' - 5950' |
| Wasatch/Mesaverde/Castlegate/Blackhawk/Mancos Formation (Gas) | 5950' - TD    |

4. PROPOSED CASING PROGRAM

Please refer to the River Bend Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the River Bend Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the River Bend Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the River Bend Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the River Bend Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

Possible abnormal temperatures and/or pressures are anticipated in the lower Mesaverde and Mancos Formations. Please refer to the River Bend Field SOP for pressure control measures.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the River Bend Field SOP.

NEWFIELD PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

1. **EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #1-22-9-16 located in the NE 1/4 NE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 5.5 miles  $\pm$  to the existing 6-23-9-16 location; proceed westerly - 1,615'  $\pm$  along an existing two track road to be upgraded to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 1,775'  $\pm$  to the proposed well location.

2. **PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

3. **LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the River Bend Field Standard Operating Procedure (SOP).

5. **LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the River Bend Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the River Bend Field SOP.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the River Bend Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the River Bend Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the River Bend Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #02-135, 12/17/02. Paleontological Resource Survey prepared by, Wade E. Miller, 9/25/02. See attached report cover pages, Exhibit "D".

For the Federal #1-22-9-16 Newfield Production Company requests a 2650' ROW be granted in Lease UTU-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 200' ROW in Lease UTU-72106, a 550' ROW in Lease UTU-64805, a 11,180' ROW in Lease UTU-15855, and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 3" gas gathering line, a 2" poly fuel gas line, and a 10" steel gas line. The proposed pipeline will tie in to the existing Questar CP tap approximately 2.5 miles away in the SE 1/4 SE 1/4 Section 13, T9S, R16E. The proposed pipeline will follow existing developed roads or existing two track roads. In the areas that two tracks are followed, crews will set up on existing well pads for welding and a dozer will drag pipe across. There will be no surface disturbance and there will not be any road upgrades. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the River Bend Field SOP.

Newfield Production Company requests a 2,650' ROW in Lease UTU-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the River Bend Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed



between February 1 and July 15. If the nest remains inactive on July 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and February 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

#### **Reserve Pit Liner**

A 12 mil liner will be required if rock is encountered.. Please refer to the River Bend Field SOP.

#### **Location and Reserve Pit Reclamation**

Please refer to the River Bend Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

|                   |                               |            |
|-------------------|-------------------------------|------------|
| Shadscale         | <i>Atriplex confertifolia</i> | 3 lbs/acre |
| Garnders Saltbush | <i>Atriplex gardneri</i>      | 4 lbs/acre |
| Galleta Grass     | <i>Hilaria jamesii</i>        | 4 lbs/acre |
| Black Sage Brush  | <i>Artemisia nova</i>         | 1 lbs/acre |

#### **Details of the On-Site Inspection**

The proposed Federal #1-22-9-16 was originally on-sited on 11/5/03. It was then on-sited again on 12/23/04 to amend the originally submitted APD. The following were present; Brad Mecham (Newfield Production) and Byron Tolman (Bureau of Land Management).

### **13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

#### Representative

Name: Brad Mecham  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #1-22-9-16 NE/NE Section 22, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

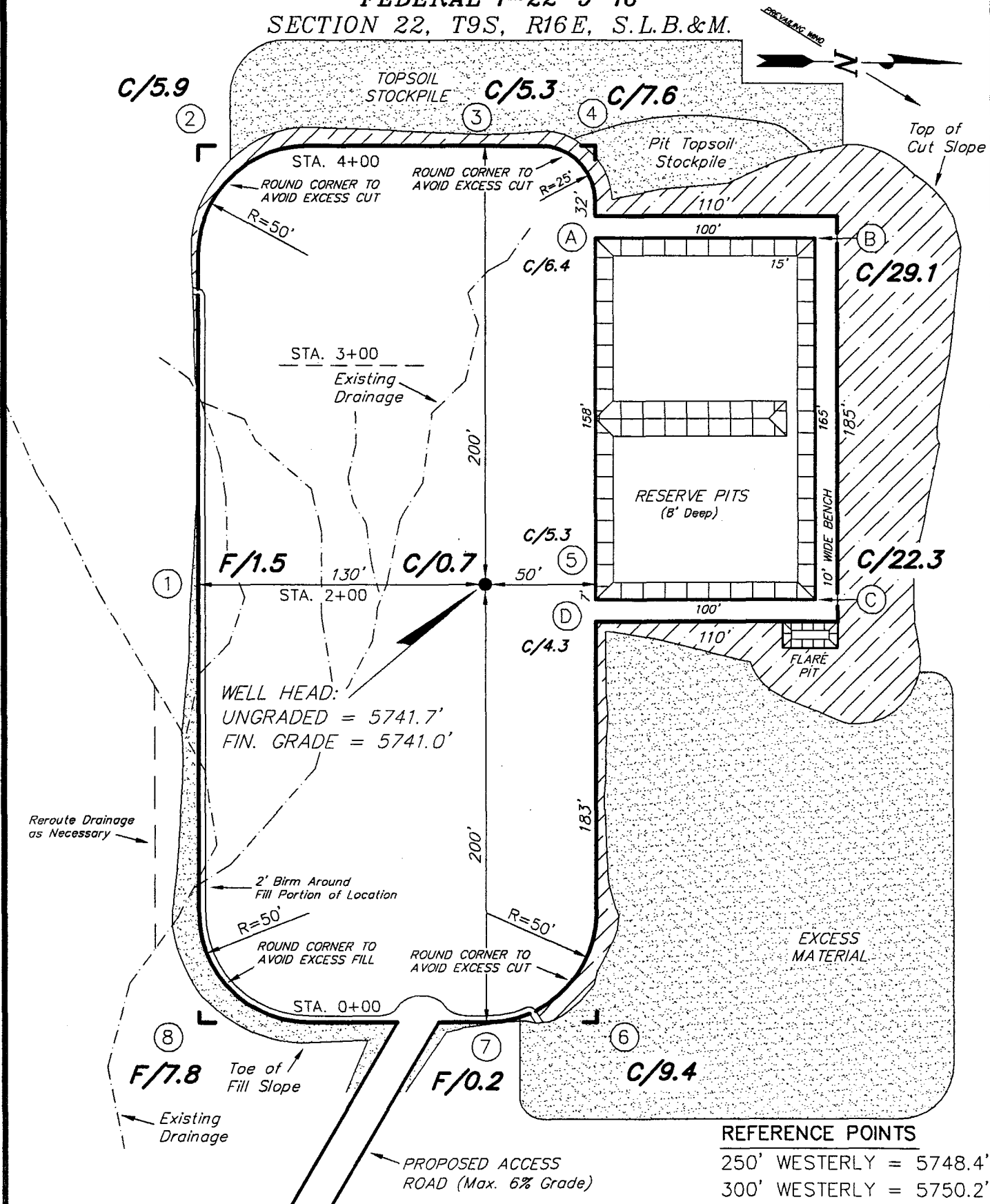
2/18/05  
Date

  
Mandie Crozier  
Regulatory Specialist

*NEWFIELD PRODUCTION COMPANY*

**FEDERAL 1-22-9-16**

SECTION 22, T9S, R16E, S.L.B.&M.



## REFERENCE POINTS

250' WESTERLY = 5748.4'

$$300' \text{ WESTERLY} = 5750.2'$$

SURVEYED BY: C.M.

SCALE:  $1'' = 60'$

DRAWN BY: F.T.M.

DATE: 12-29-04

**Tri State**  
Land Surveying, Inc.

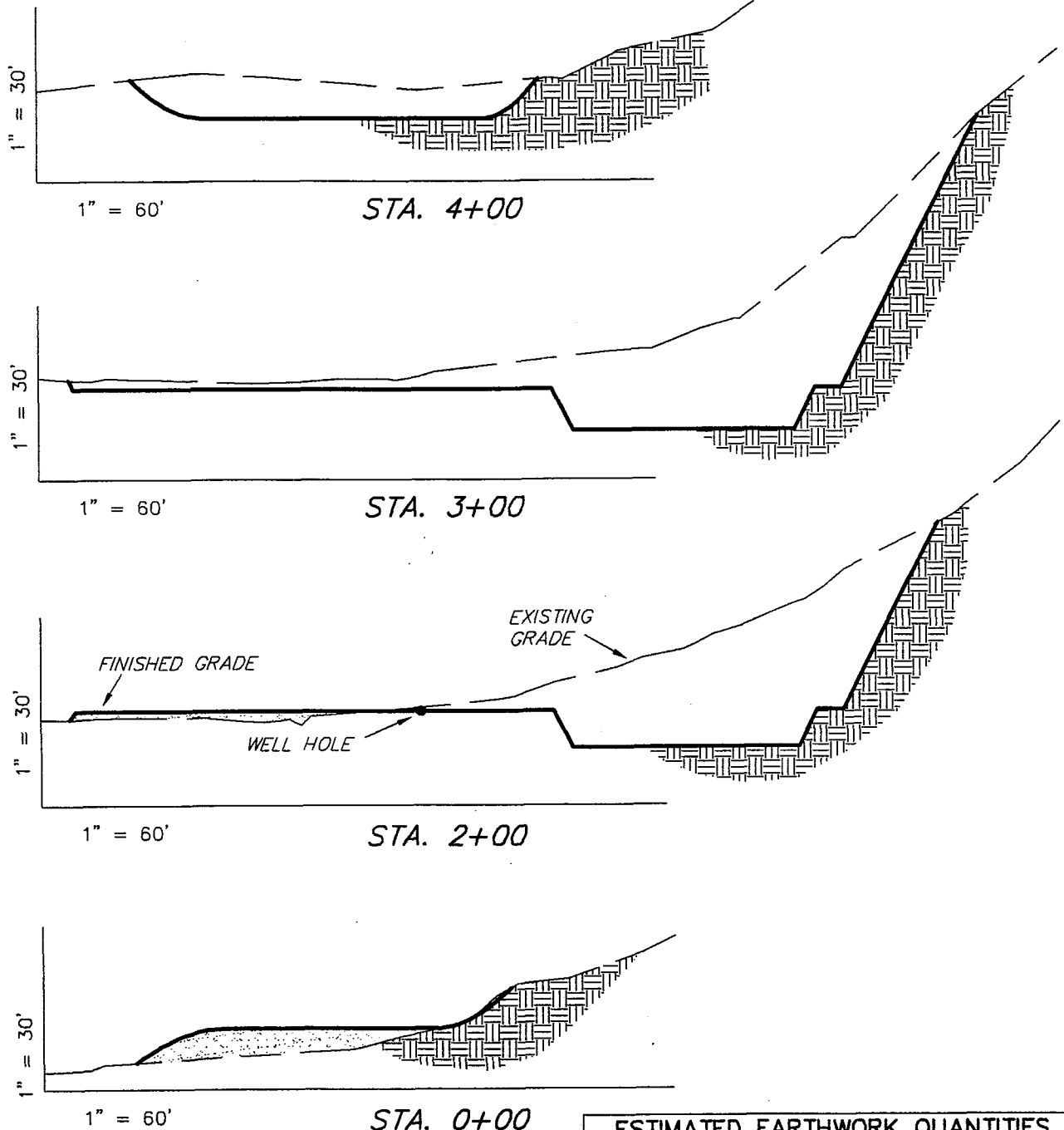
(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

FEDERAL 1-22-9-16



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

| ITEM   | CUT    | FILL  | 6" TOPSOIL                               | EXCESS |
|--------|--------|-------|--|--------|
| PAD    | 20,910 | 4,070 | Topsoil is<br>not included<br>in Pad Cut | 16,840 |
| PIT    | 4,090  | 0     |  | 4,090  |
| TOTALS | 25,000 | 4,070 | 2070                                     | 20,930 |

SURVEYED BY: C.M.

SCALE: 1" = 60'

DRAWN BY: F.T.M.

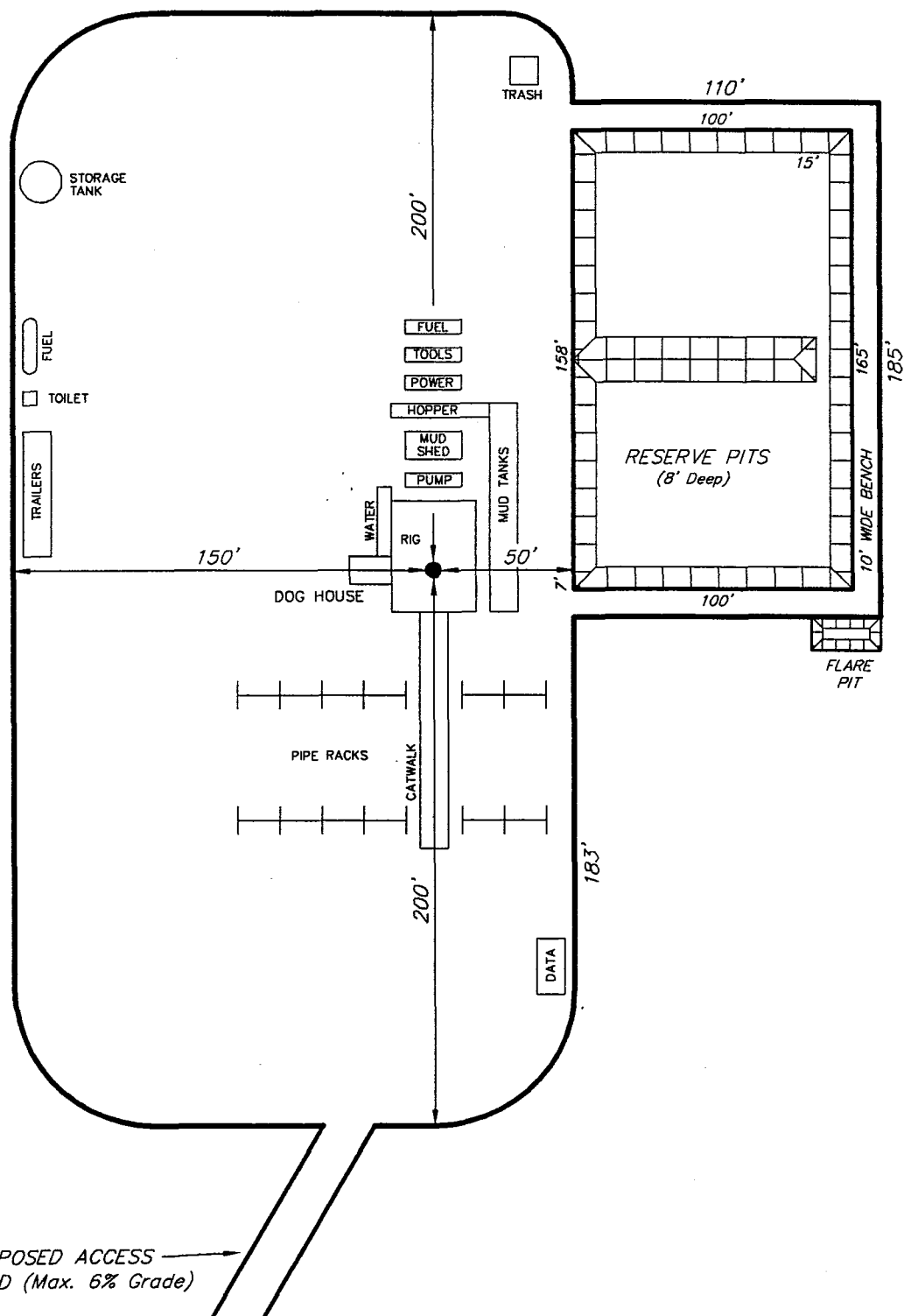
DATE: 12-29-04

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2507

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

### FEDERAL 1-22-9-16



SURVEYED BY: C.M.

SCALE: 1" = 60'

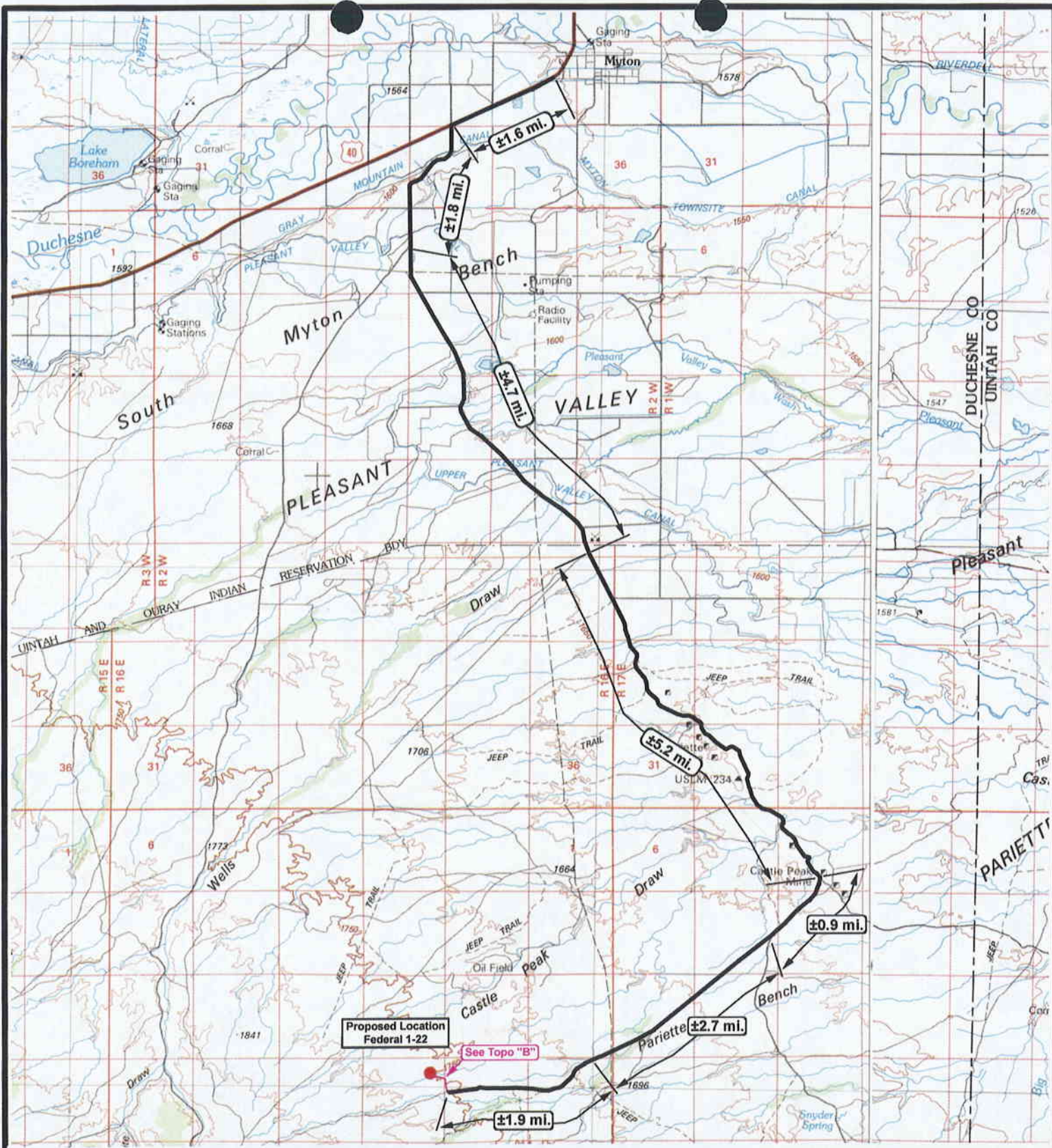
DRAWN BY: F.T.M.


DATE: 12-29-04

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501







**NEWFIELD**  
Exploration Company

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**





**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000  
DRAWN BY: mw  
DATE: 12-29-2004

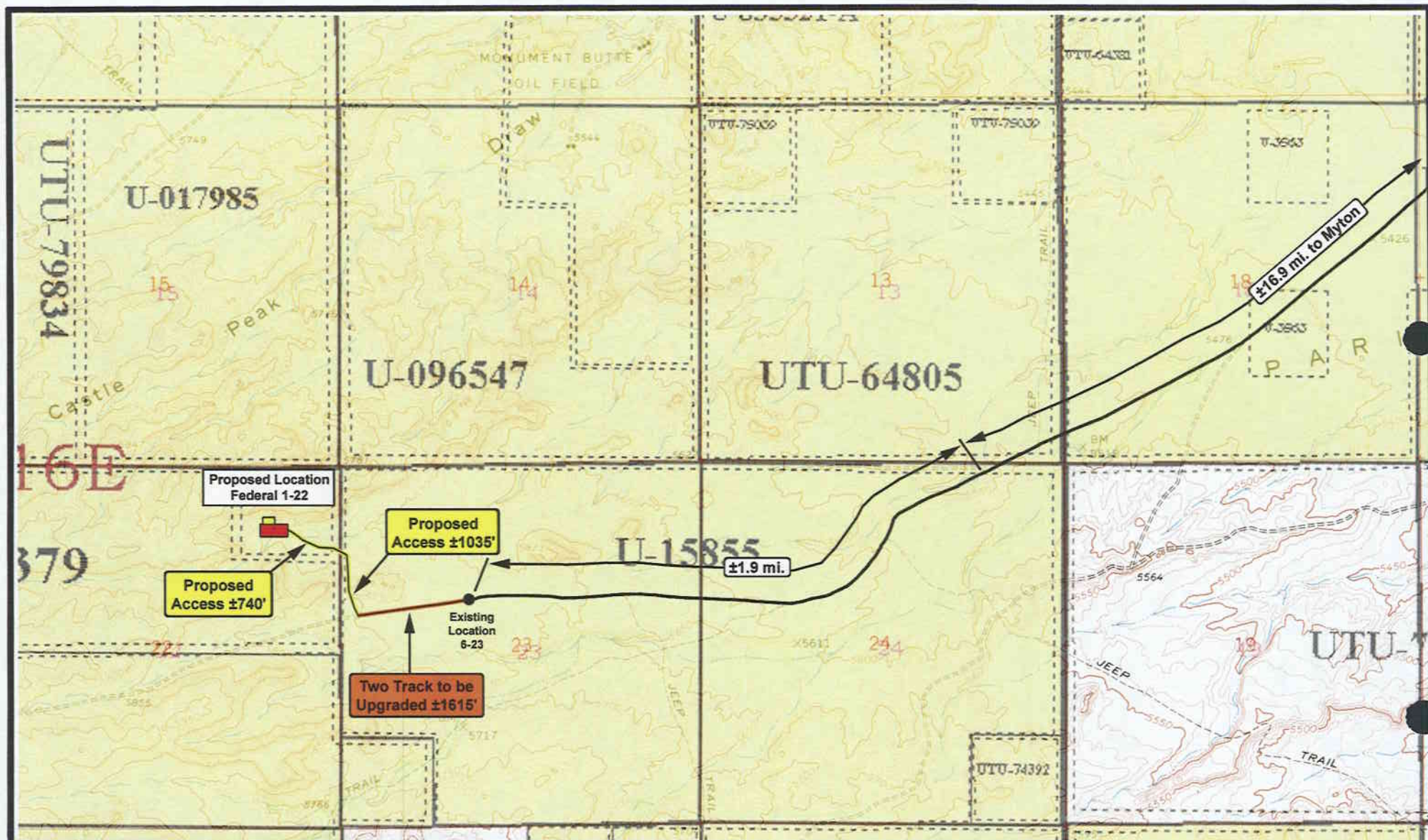
**Legend**

— Existing Road  
— Proposed Access

**TOPOGRAPHIC MAP**

**"A"**





**NEWFIELD**  
Exploration Company

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: mw

DATE: 12-29-2004

**Legend**

- Existing Road
- Proposed Access
- Access to Upgrade

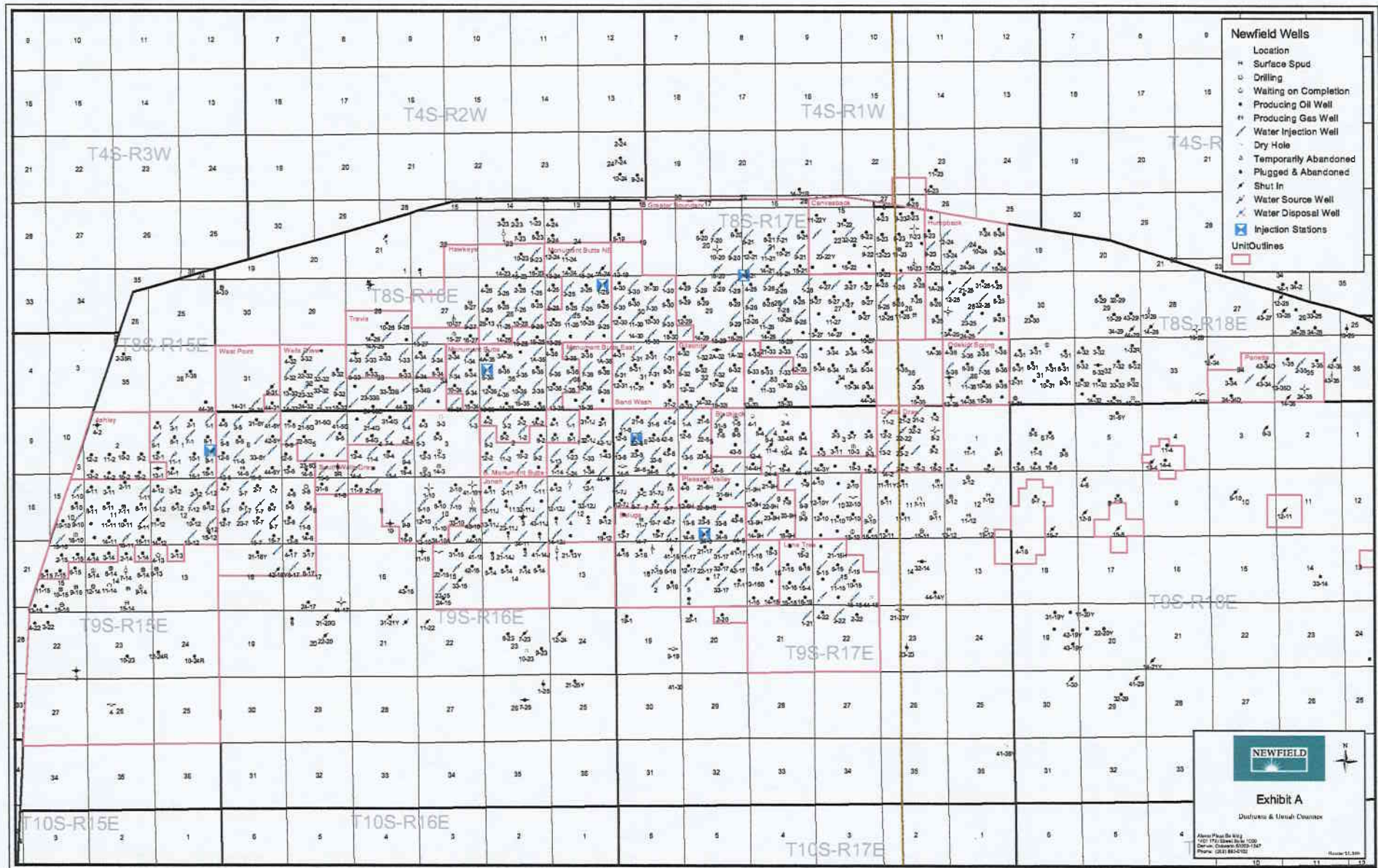
**"B"**

UTU-11385

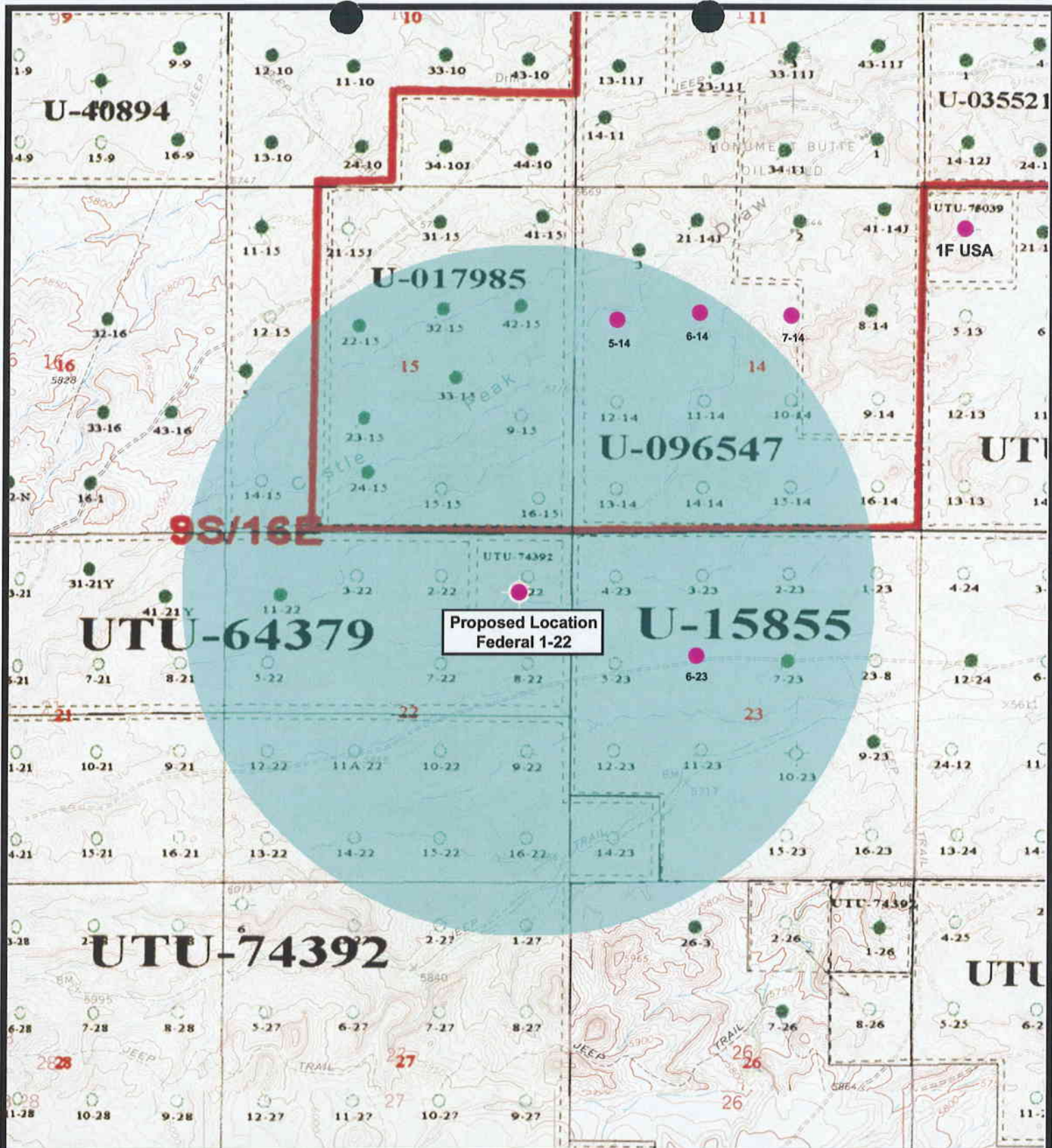













Proposed Location  
Federal 1-22



**NEWFIELD**  
Exploration Company

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 12-29-2004

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

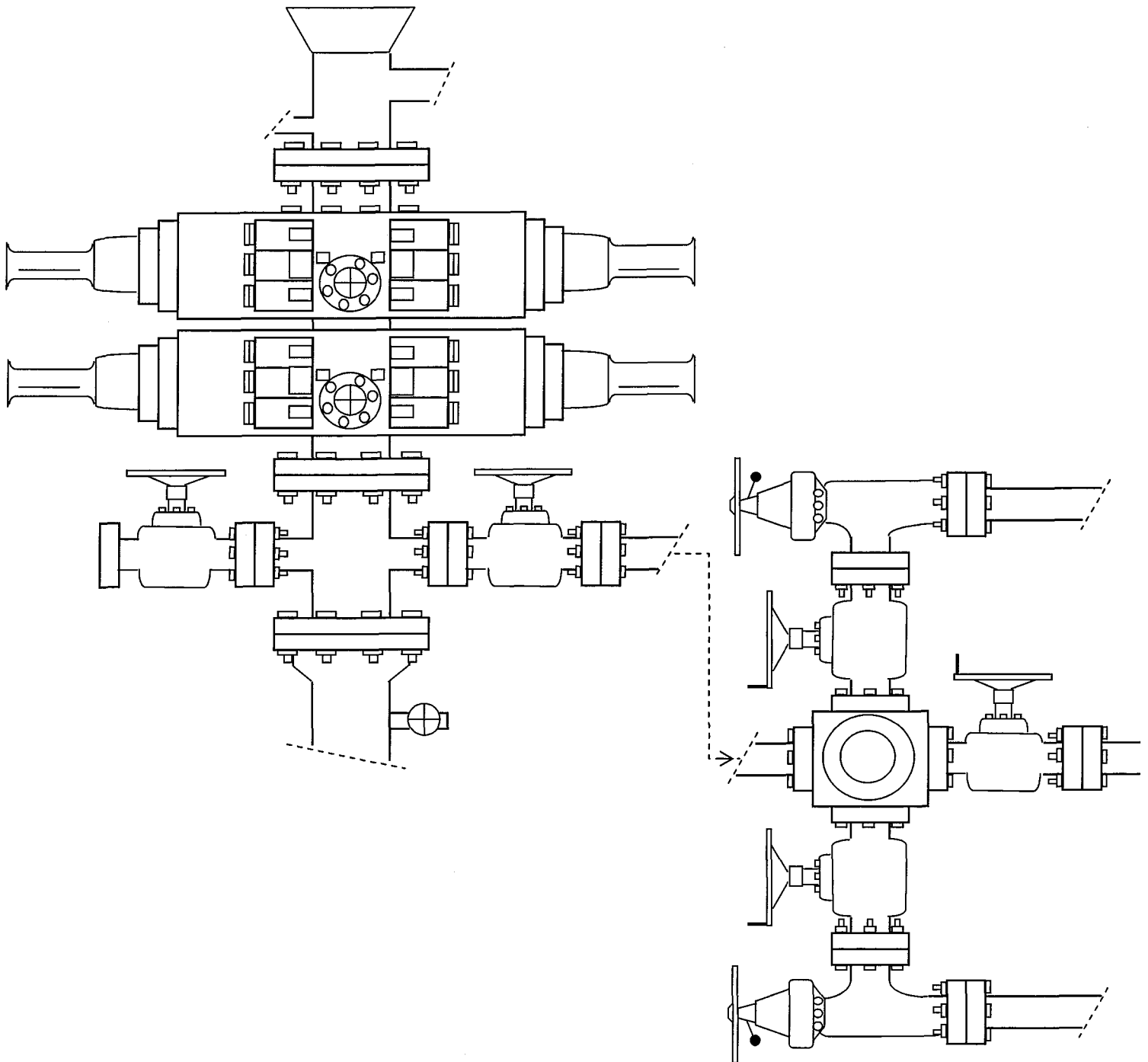


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES'  
FOURTEEN BLOCK PARCELS WITH ACCESS ROUTES AND  
PIPELINE CORRIDORS, IN DUCHESNE AND  
UINTAH COUNTIES, UTAH

by

Sarah Ball  
and  
Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office  
Vernal, Utah

and

State of Utah  
School and Institutional Trust Lands Administration

Prepared Under Contract With:

Inland Resources, Inc.  
410 17<sup>th</sup> Street, Suite 700  
Denver, CO 80202

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report NO. [02-135]

December 17, 2002

United States Department of Interior (FLPMA)  
Permit No. 02-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-02-MQ-0586b,s

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE AND UTAH COUNTIES, UTAH**

(NE & SE 1/4, Sec. 2, - SW, SW 1/4, Sec. 15, - NW, NW 1/4 & NE, SE 1/4, Sec. 22,  
SE 1/4, Sec. 23, - NE, SW 1/4, Sec. 24, - NE, SW 1/4, Sec. 27, T 9 S, R 15 E.  
SE, SE 1/4, Sec. 20 - SW 1/4, Sec. 29 - SE, SE 1/4, Sec. 30 - NE, NE 1/4, Sec. 31,  
T 8 S, R 16 E. NE, SW 1/4, Sec. 20, - NE, NE 1/4, Sec. 22, T 9 S, R 16 E, Duchesne  
County. NW, NE 1/4, Sec. 25, T 9 S, R 17 E. SW 1/4, Sec. 6, - NW 1/4, Sec. 1,  
NW 1/4, Sec. 14, - NW, NE 1/4, Sec. 23, T 9 S, R 18 E, Uintah County.)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 25, 2002

009

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/23/2005

API NO. ASSIGNED: 43-013-32612

WELL NAME: FEDERAL 1-22-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

**AMENDED**

## PROPOSED LOCATION:

NENE 22 090S 160E

SURFACE: 0887 FNL 0963 FEL

BOTTOM: 0887 FNL 0963 FEL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MNCS

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LATITUDE: 40.02111

LONGITUDE: -110.0988

## RECEIVED AND/OR REVIEWED:

- ☒ Plat
- ☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit  
(No. MUNICIPAL )
- ☒ RDCC Review (Y/N)  
(Date: )
- ☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

R649-2-3.

Unit

R649-3-2. General

Siting: 460 From Qtr/Qtr &amp; 920' Between Wells

☒ R649-3-3. Exception

Drilling Unit

Board Cause No:

Eff Date:

Siting:

R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval  
2- Spacing Strip



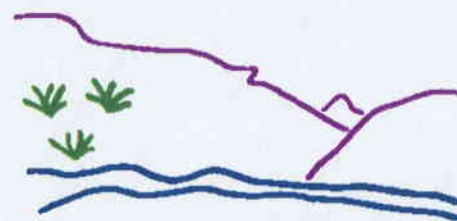
OPERATOR- NEWFIELD PROD CO (N2695)

SEC. 22 T.9S R.16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-3 / EXCEPTION LOCATION



Utah Oil Gas and Mining

#### Wells

- ✕ GAS INJECTION
- GAS STORAGE
- ✕ LOCATION ABANDONED
- ⊙ NEW LOCATION
- ◇ PLUGGED & ABANDONED
- ✱ PRODUCING GAS
- PRODUCING OIL
- ⊙ SHUT-IN GAS
- ✱ SHUT-IN OIL
- ✕ TEMP. ABANDONED
- TEST WELL
- ▲ WATER INJECTION
- ◆ WATER SUPPLY
- ✕ WATER DISPOSAL

#### Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

#### Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY  
DATE: 24-FEBRUARY-2005



007

## NEWFIELD



March 1, 2005

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

**AMENDED**

Re: Exception Location: Federal 1-22-9-16  
887'FNL, 963' FEL NENE Sec 22-T9S-R16E  
Duschene County, Utah; Lease U-74392

Dear Ms. Whitney:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 103' west and 27' south of the drilling window tolerance for the NENE of Sec 22, T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected in order to comply with federal lease stipulation conditions. The requested location has been selected due to the extreme terrain.

Please note the location is completely within Federal lease U-74392. The drillsite lease and all surrounding acreage within a four hundred sixty (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners and their consent to this location exception is attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

Laurie Descau  
Properties Administrator

**State of Utah****Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

March 2, 2005  
Amended

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Federal 1-22-9-16 Well, 887' FNL, 963' FEL, NE NE, Sec. 22, T. 9 South,  
R. 16 East, Duchesne County, Utah

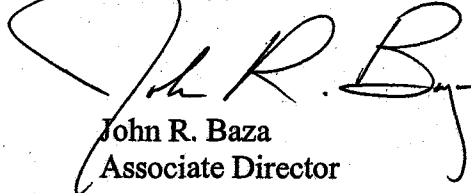
Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32612.

Sincerely,



John R. Baza  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office



Operator: Newfield Production Company  
Well Name & Number Federal 1-22-9-16  
API Number: 43-013-32612  
Lease: UTU-74392

Location: NE NE Sec. 22 T. 9 South R. 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

NEWFIELD



43.013.32612  
95, 16E, 22

RECEIVED  
MAR 04 2005  
DIV. OF OIL, GAS & MINING

March 1, 2005

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

**AMENDED**

Re: Exception Location: Federal 1-22-9-16  
887'FNL, 963' FEL NENE Sec 22-T9S-R16E  
Dusche County, Utah; Lease U-74392

Dear Ms. Whitney:

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Please note the location is completely within Federal lease U-74392. The drillsite lease and all surrounding acreage within a four hundred sixty (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners and their consent to this location exception is attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

  
Laurie Deseau

Properties Administrator

Form 3160-3  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1804-0136  
Expires January 31, 20045. Lease Serial No.  
UTU-74392  
6. If Indian, Allottee or Tribe Name  
N/A  
7. If Unit or CA Agreement, Name and No.  
N/A  
8. Lease Name and Well No.  
Federal 1-22-9-16  
9. API Well No.  
10. Field and Pool, or Exploratory  
Monument Butte  
11. Sec., T., R., M., or Blk. and Survey or Area  
NE/NE Sec. 22, T9S R16E1a. Type of Work: ☒ DRILL ☐ REENTER1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone2. Name of Operator  
Newfield Production Company3a. Address  
Route #3 Box 3630, Myton UT 840523b. Phone No. (include area code)  
(435) 646-37214. Location of Well (Report location clearly and in accordance with any State requirements.)  
At surface NE/NE 887' PNL 963' FEL  
At proposed prod. zone14. Distance in miles and direction from nearest town or post office\*  
Approximately 18.8 miles southwest of Myton, Utah15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drig. unit line, if any) Approx. 433' file, NA limit16. No. of Acres in lease  
2080.0017. Spacing Unit dedicated to this well  
40 Acres18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. NA19. Proposed Depth  
13,970'20. BLM/BIA Bond No. on file  
UTU005621. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5742' GL22. Approximate date work will start\*  
2nd Quarter 200523. Estimated duration  
Approximately seven (7) days from start to rig release.

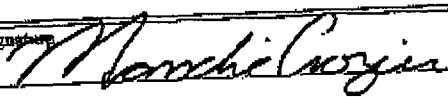
## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)  
Mandie Crozier

Date

2/18/05

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approved does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

MAR 04 2005

DIV. OF OIL, GAS &amp; MINING

**T9S, R16E, S.L.B.&M.**

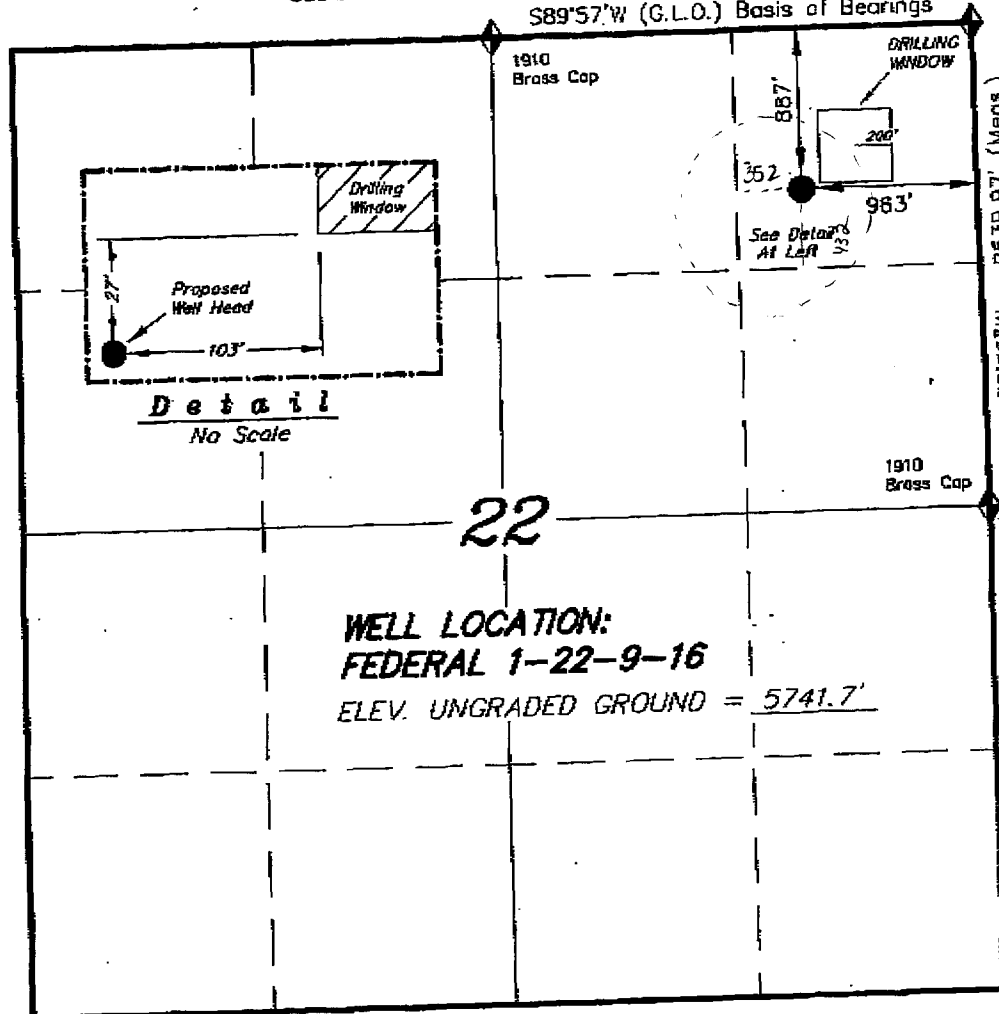
S89°57'W - 79.16 (G.L.O.) 2629.56' (Measured)  
S89°57'W (G.L.O.) Basis of Bearings

1910  
Brass Cap

1910  
Brass Cap

1910  
Brass Cap

(Meds.)  
N. 65° 52' - W. 55° 55' 00"  
(G.L.O.) N. 10° 00'



(G.L.O.) N. 20° 00'

**WELL LOCATION:  
FEDERAL 1-22-9-16**

ELEV. UNGRADED GROUND = 5741.7'

S89°58'W - 79.82 (G.L.O.)

◆ = SECTION CORNERS LOCATED

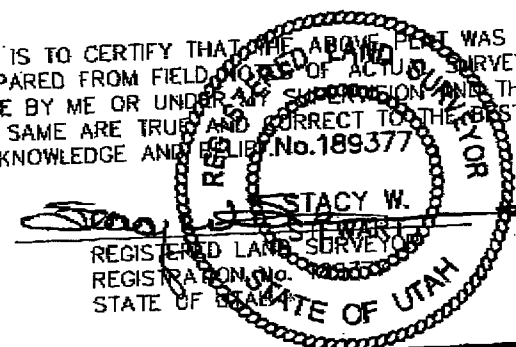
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, FEDERAL 1-22-9-16,  
LOCATED AS SHOWN IN THE NE 1/4 NE  
1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: C.M.

DATE: 12-29-04

DRAWN BY: F.T.M.

NOTES:

FILE #

02/28/2005 09:17

4356463021

INLAND

PAGE 03



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

013

APPLICATION FOR PERMIT TO DRILL OR REENTER

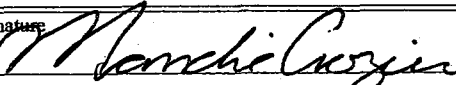
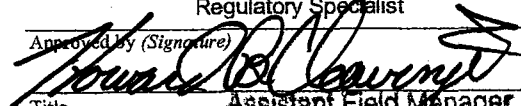
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

|  |   |   |
|--|---|---|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER   |   | 5. Lease Serial No.<br>UTU-74392  |
| 1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone |   | 6. If Indian, Allottee or Tribe Name<br>N/A                                 |
| 2. Name of Operator<br>Newfield Production Company   |   | 7. If Unit or CA Agreement, Name and No.<br>N/A                             |
| 3a. Address<br>Route #3 Box 3630, Myton UT 84052   | 3b. Phone No. (include area code)<br>(435) 646-3721       | 8. Lease Name and Well No.<br>Federal 1-22-9-16                             |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface NE/NE 887' FNL 963' FEL<br>At proposed prod. zone   |   | 9. API Well No.<br>43.013.32612   |
| 14. Distance in miles and direction from nearest town or post office*<br>Approximatley 18.8 miles southwest of Myton, Utah   |   | 10. Field and Pool, or Exploratory<br>Monument Butte                        |
| 15. Distance from proposed*<br>location to nearest<br>property or lease line, ft.<br>(Also to nearest drig. unit line, if any) Approx. 433' f/lse, NA f/unit   | 16. No. of Acres in lease<br>2080.00                      | 11. Sec., T., R., M., or Blk. and Survey or Area<br>NE/NE Sec. 22, T9S R16E |
| 18. Distance from proposed location*<br>to nearest well, drilling, completed,<br>applied for, on this lease, ft. NA  | 19. Proposed Depth<br>13,970'                             | 12. County or Parish<br>Duchesne  |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>5742' GL  | 22. Approximate date work will start*<br>2nd Quarter 2005 | 13. State<br>UT   |
| 17. Spacing Unit dedicated to this well<br>40 Acres  |   |   |
| 20. BLM/BIA Bond No. on file<br>UT/0056  |   |   |
| 23. Estimated duration<br>Approximately seven (7) days from spud to rig release.   |   |   |

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

|   |   |                    |
|---|---|--------------------|
| 25. Signature<br>          | Name (Printed/Typed)<br>Mandie Crozier    | Date<br>2/18/05    |
| Title<br>Regulatory Specialist  |   |                    |
| Approved by (Signature)<br> | Name (Printed/Typed)<br>Thomas B. Clavner | Date<br>05/18/2005 |
| Title<br>Assistant Field Manager<br>Mineral Resources   | Office                                    |                    |

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

UDOGM

RECEIVED  
MAY 24 2005  
DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Newfield Production Company.

Well Name & Number: Federal 1-22-9-16

API Number: 43-013-32612

Lease Number: U-74392

Location: NENE Sec. 22 T. 9S R. 16E

Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

As a minimum requirement, the cement behind the production casing must extend a minimum of 200' above the top of any potentially productive zone.

The proposed production casing does not meet the minimum requirement for collapse. The collapse design factor for the production casing must be 1.125 or greater.

**Please submit an electronic copy of all logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).**

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874  
Petroleum Engineer

Michael Lee (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

**THERE ARE NO ADDITIONAL CONDITIONS FOR THE SURFACE USE PROGRAM.**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**877 FNL 963 FEL NE/NE Section 22, T9S R16E**

5. Lease Designation and Serial No.

**UTU-74392**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**N/A**

8. Well Name and No.

**FEDERAL 1-22-9-16**

9. API Well No.

**43-013-32612**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Permit Extension**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 10/18/04 (expiration 10/18/05).

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-18-05  
By: [Signature]

COPY SENT TO OPERATOR

Date: 10-20-05  
Initials: CHD

14. I hereby certify that the foregoing is true and correct

Signed

*Mandie Crozier*  
Mandie Crozier

Title

Regulatory Specialist

Date

10/11/2005

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

CC: Utah DOGM

RECEIVED  
OCT 13 2005

DIV. OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RESET

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32612  
**Well Name:** Federal 1-22-9-16  
**Location:** NE/NE Section 22, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 10/18/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Mandie Crozier  
Signature

10/10/2005  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

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**OCT 13 2005**  
DIV. OF OIL, GAS & MINING

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 1-22-9-16

Api No: 43-013-32612 Lease Type: FEDERAL

Section 22 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

### **SPUDDED:**

Date 12/26/05

Time 9:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by JUSTIN CRUM

Telephone # 1-435-823-6733

Date 12/27/2005 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84062**

OPERATOR ACCT. NO. **N2695**

| ACTION CODE                                  | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER   | WELL NAME                   | WELL LOCATION |    |    |     |          | SPUD DATE | EFFECTIVE DATE |
|--|--------------------|----------------|--------------|-----------------------------|---------------|----|----|-----|----------|-----------|----------------|
|  |                    |                |              |                             | QQ            | SC | TP | RG  | COUNTY   |           |                |
| ✓ B  | 99999              | 14844          | 43-047-35842 | FEDERAL 15-9-9-18           | SWSE          | 9  | 9S | 18E | UINTAH   | 12/15/05  | 1/5/06         |
| WELL COMMENTS: <i>GRRV Sundance Unit</i> — J |                    |                |              |                             |               |    |    |     |          |           |                |
| ✓ B  | 99999              | 12391          | 43-013-32784 | GREATER BOUNDARY 11-20-8-17 | SWNE          | 20 | 8S | 17E | DUCHESNE | 12/16/05  | 1/5/06         |
| WELL COMMENTS: <i>GRRV</i> — J               |                    |                |              |                             |               |    |    |     |          |           |                |
| ✓ B  | 99999              | 14844          | 43-047-35766 | FEDERAL 5-9-9-18            | SWNW          | 9  | 9S | 18E | UINTAH   | 12/19/05  | 1/5/06         |
| WELL COMMENTS: <i>GRRV Sundance Unit</i> — J |                    |                |              |                             |               |    |    |     |          |           |                |
| ✓ B  | 99999              | 14844          | 43-047-38161 | FEDERAL 9-7-9-18            | NESE          | 7  | 9S | 18E | UINTAH   | 12/21/05  | 1/5/06         |
| WELL COMMENTS: <i>GRRV Sundance Unit</i> — J |                    |                |              |                             |               |    |    |     |          |           |                |
| ✓ B  | 99999              | 14844          | 43-047-36050 | FEDERAL 6-9-9-18            | SENN          | 9  | 9S | 18E | UINTAH   | 12/21/05  | 1/5/06         |
| WELL COMMENTS: <i>GRRV Sundance Unit</i> — J |                    |                |              |                             |               |    |    |     |          |           |                |
| A  | 99999              | 15124          | 43-013-32612 | FEDERAL 1-22-9-16           | NENE          | 22 | 9S | 18E | DUCHESNE | 12/26/05  | 1/5/06         |
| WELL COMMENTS: <i>m NCS</i> — J              |                    |                |              |                             |               |    |    |     |          |           |                |

ACTION CODES (See instructions on back of form)

- A - Establish new entity for current (single well only)
- B - Add new well to existing entity (group or old well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

*Kim Kette*  
Signature  
Production Clerk  
Title  
JAN 4 2006  
RECEIVED  
DIV OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
887 FNL 963 FEL  
NE/NE Section 22 T9S R16E

5. Lease Serial No.

UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 1-22-9-16

9. API Well No.

4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                               |   |  |   |
|--|--|---|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize             | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production(Start/Resume)  | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing        | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other _____    |
|  | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon       |   |
|  | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input checked="" type="checkbox"/> Water Disposal |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

01/20/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_  
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

JAN 23 2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
887 FNL 963 FEL  
NE/NE Section 22 T9S R16E

5. Lease Serial No.

UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 1-22-9-16

9. API Well No.

4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                               |   |   |   |
|---|--|---|---|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize             | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production(Start/Resume) | <input type="checkbox"/> Water Shut-Off         |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing        | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation              | <input type="checkbox"/> Well Integrity         |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete               | <input checked="" type="checkbox"/> Other _____ |
|   | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon      | Spud Notice _____                               |
|   | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal           | _____   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12-26-2005 MIRU Ross # 24. Spud well @ 9:00 AM. Drill 325' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 327.33' KB On 12-27-05 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Troy Zufelt

Signature

Title

Drilling Foreman

Date

12/28/2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

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Date

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(Instructions on reverse)

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**JAN 9 2006**

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

3 5/8 CASING SET AT 327.33

LAST CASING 8 5/8" set @ 327.33  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 325' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 1-22-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 24

| LOG OF CASING STRING:                                 |        |   |           |                     |                             |                                   |        |               |
|---|--------|---|-----------|---------------------|-----------------------------|-----------------------------------|--------|---------------|
| PIECES  | OD     | ITEM - MAKE - DESCRIPTION   | WT / FT   | GRD                 | THREAD                      | CONDT                             | LENGTH |               |
|   |        |   |           |                     |                             |                                   |        |               |
|   |        | Shoe Joint 45.23'   |           |                     |                             |                                   |        |               |
|   |        | WHI - 92 csg head   |           |                     | 8rd                         | A                                 | 0.95   |               |
| 7   | 8 5/8" | Maverick ST&C csg   | 24#       | J-55                | 8rd                         | A                                 | 315.48 |               |
|   |        | <b>GUIDE</b> shoe   |           |                     | 8rd                         | A                                 | 0.9    |               |
| CASING INVENTORY BAL.                                 |        |   | FEET      | JTS                 | TOTAL LENGTH OF STRING      |                                   |        | 317.33        |
| TOTAL LENGTH OF STRING                                |        |   | 317.33    | 7                   | LESS CUT OFF PIECE          |                                   |        | 2             |
| LESS NON CSG. ITEMS                                   |        |   | 1.85      |                     | PLUS DATUM TO T/CUT OFF CSG |                                   |        | 12            |
| PLUS FULL JTS. LEFT OUT                               |        |   | 0         |                     | CASING SET DEPTH            |                                   |        | <b>327.33</b> |
| TOTAL   |        |   | 315.48    | 7                   | } COMPARE                   |                                   |        |               |
| TOTAL CSG. DEL. (W/O THRDS)                           |        |   | 315.48    | 7                   |                             |                                   |        |               |
| TIMING  |        |   | 1ST STAGE |                     |                             |                                   |        |               |
| BEGIN RUN CSG.  |        |   | Spud      | 12/26/2005          | 9:00 AM                     | GOOD CIRC THRU JOB <u>Yes</u>     |        |               |
| CSG. IN HOLE  |        |   |           | 12/27/2005          | 12:30 PM                    | Bbls CMT CIRC TO SURFACE <u>4</u> |        |               |
| BEGIN CIRC  |        |   |           | 12/27/2005          | 1:58 PM                     | RECIPROCATED PIPE FOR <u>N/A</u>  |        |               |
| BEGIN PUMP CMT  |        |   |           | 12/27/2005          | 2:00 PM                     |                                   |        |               |
| BEGIN DSPL. CMT                                       |        |   |           | 12/27/2005          | 2:25 PM                     | BUMPED PLUG TO <u>1000</u> PSI    |        |               |
| PLUG DOWN   |        |   |           | 12/27/2005          | 2:30 PM                     |                                   |        |               |
| CEMENT USED   |        | CEMENT COMPANY- <b>B. J.</b>  |           |                     |                             |                                   |        |               |
| STAGE   | # SX   | CEMENT TYPE & ADDITIVES   |           |                     |                             |                                   |        |               |
| 1   | 160    | Class "G" w/ 2% CaCl2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield |           |                     |                             |                                   |        |               |
|   |        |   |           |                     |                             |                                   |        |               |
|   |        |   |           |                     |                             |                                   |        |               |
| CENTRALIZER & SCRATCHER PLACEMENT                     |        |   |           | SHOW MAKE & SPACING |                             |                                   |        |               |
| Centralizers - Middle first, top second & third for 3 |        |   |           |                     |                             |                                   |        |               |
|   |        |   |           |                     |                             |                                   |        |               |
|   |        |   |           |                     |                             |                                   |        |               |

COMPANY REPRESENTATIVE Troy Zufelt DATE 12/27/2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 1-22-9-16

9. API Well No.

4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include are code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

887 FNL 963 FEL

NE/NE Section 22 T9S R16E

**12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                               |   |   |   |  |
|---|--|---|---|---|--|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize             | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production(Start/Resume) | <input type="checkbox"/> Water Shut-Off   |  |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing        | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation              | <input type="checkbox"/> Well Integrity   |  |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete               | <input checked="" type="checkbox"/> Other |  |
|   | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon      | Weekly Status Report                      |  |
|   | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal           |   |  |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12/30/06 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5880'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 139 jt's of 5.5 J-55, 15.5# csgn. Set @ 5869'/KB. Cement with 400 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 25 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 108,000 #'s tension. Release rig @ 6:00 AM on 1/4/06.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Justin Crum

Title

Drilling Foreman

Signature

Date

01/07/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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(Instructions on reverse)

JAN 13 2006



# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5870.53

Flt cllr @ 5826.95

LAST CASING 8 5/8" SET AT 327'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL Federal 1-22-9-16

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # NDSI Rig # 1

TD DRILLER 5880' Loggers TD 5863'

HOLE SIZE 7 7/8"

## LOG OF CASING STRING:

| PIECES  | OD     | ITEM - MAKE - DESCRIPTION  | WT / FT             | GRD                              | THREAD | CONDT | LENGTH  |
|---|--------|--|---------------------|----------------------------------|--------|-------|---------|
|   |        | Landing Jt   |                     |                                  |        |       | 14      |
|   | SHJT   | 6.03 @ 3709'   |                     |                                  |        |       |         |
| 138   | 5 1/2" | ETC LT & C casing  | 15.5#               | J-55                             | 8rd    | A     | 5826.95 |
|   |        | Float collar   |                     |                                  |        |       | 0.6     |
| 1   | 5 1/2" | ETC LT&C csg   | 15.5#               | J-55                             | 8rd    | A     | 44.33   |
|   |        | GUIDE shoe   |                     |                                  | 8rd    | A     | 0.65    |
| CASING INVENTORY BAL.   |        | FEET   | JTS                 | TOTAL LENGTH OF STRING           |        |       | 5871.78 |
| TOTAL LENGTH OF STRING  |        | 5871.78  | 139                 | LESS CUT OFF PIECE               |        |       | 14      |
| LESS NON CSG. ITEMS   |        | 15.25  |                     | PLUS DATUM TO T/CUT OFF CSG      |        |       | 12      |
| PLUS FULL JTS. LEFT OUT   |        | 87.08  | 2                   | CASING SET DEPTH                 |        |       | 5869.78 |
| TOTAL   |        | 5943.61  | 141                 | } COMPARE                        |        |       |         |
| TOTAL CSG. DEL. (W/O THRDS)   |        | 5943.61  | 141                 |                                  |        |       |         |
| TIMING  |        | 1ST STAGE  | 2nd STAGE           |                                  |        |       |         |
| BEGIN RUN CSG.  |        | 1/4/2006   | 10:00 AM            | GOOD CIRC THRU JOB B Yes         |        |       |         |
| CSG. IN HOLE  |        | 1/4/2006   | 12:30 PM            | Bbls CMT CIRC TO SURFACE 25 bbls |        |       |         |
| BEGIN CIRC  |        | 1/4/2006   | 12:30 PM            | RECIPROCATED PIPE FOR THRUSTROKE |        |       |         |
| BEGIN PUMP CMT  |        | 1/4/2006   | 2:40 PM             | DID BACK PRES. VALVE HOLD ? Yes  |        |       |         |
| BEGIN DSPL. CMT   |        | 1/4/2006   | 3:50 PM             | BUMPED PLUG TO 1500 PSI          |        |       |         |
| PLUG DOWN   |        | 1/4/2006   | 16:15               |                                  |        |       |         |
| CEMENT USED   |        | CEMENT COMPANY- B. J.  |                     |                                  |        |       |         |
| STAGE   | # SX   | CEMENT TYPE & ADDITIVES  |                     |                                  |        |       |         |
| 1   | 400    | Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake         |                     |                                  |        |       |         |
|   |        | mixed @ 11.0 ppg W / 3.43 cf/sk yield  |                     |                                  |        |       |         |
| 2   | 450    | 50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD |                     |                                  |        |       |         |
| CENTRALIZER & SCRATCHER PLACEMENT   |        |  | SHOW MAKE & SPACING |                                  |        |       |         |
| Centralizers - Middle first, top second & third. Then every third collar for a total of 20. |        |  |                     |                                  |        |       |         |
|   |        |  |                     |                                  |        |       |         |
|   |        |  |                     |                                  |        |       |         |

COMPANY REPRESENTATIVE Justin Crum

DATE 1/4/2006

JAN 13 2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

887 FNL 963 FEL

NE/NE Section 22 T9S R16E

5. Lease Serial No.

UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 1-22-9-16

9. API Well No.

4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                               |   |   |   |
|--|--|---|---|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize             | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production(Start/Resume) | <input type="checkbox"/> Water Shut-Off         |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing        | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation              | <input type="checkbox"/> Well Integrity         |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete               | <input checked="" type="checkbox"/> Other _____ |
|  | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon      | Variance _____                                  |
|  | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal           | _____   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Signature

*Mandie Crozier*

Title

Regulatory Specialist

Date

01/20/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
1/27/06

Date

Federal Approval Of This  
Action Is Necessary

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

By: *[Signature]*

JAN 23 2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

887 FNL 963 FEL

NE/NE Section 22 T9S R16E

5. Lease Serial No.

UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 1-22-9-16

9. API Well No.

4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                               |   |   |   |
|---|--|---|---|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize             | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production(Start/Resume) | <input type="checkbox"/> Water Shut-Off         |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing        | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation              | <input type="checkbox"/> Well Integrity         |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete               | <input checked="" type="checkbox"/> Other _____ |
|   | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon      | Weekly Status Report                            |
|   | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal           |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 01/11/06 - 01/19/06

Subject well had completion procedures initiated in the Green River formation on 01-11-06 without the use of a service rig over the well. A cement bond log was run and a total of three Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5410'-5422'); Stage #2 (4768'-4786'), (4718'-4730'); Stage #3(4002'-4007'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 01-17-2006. Bridge plugs were drilled out and well was cleaned to 5824'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 01-19-2006.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Lana Nebeker

Title

Production Clerk

Signature

Date

02/08/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED

FEB 10 2006

DIV. OF OIL, GAS & MINING

(See other instructions on reverse side)

OMB NO. 1004-0137  
Expires: February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

UTU-74392

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME, WELL NO.

Federal 1-22-9-16

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface 877' FNL & 963' FEL (NE/NE) Sec. 22, T9S, R16E

At top prod. Interval reported below

10. FIELD AND POOL OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 22, T9S, R16E

At total depth

14. API NO.

43-013-32612

DATE ISSUED

10/18/04

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUDDED

12/26/05

16. DATE T.D. REACHED

1/3/06

17. DATE COMPL. (Ready to prod.)

1/19/06

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5742' GL

19. ELEV. CASINGHEAD

5754' KB

20. TOTAL DEPTH, MD & TVD

5880'

21. PLUG BACK T.D., MD & TVD

5824'

22. IF MULTIPLE COMPLEMENTS, HOW MANY\*

----->

23. INTERVALS DRILLED BY

----->

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4002'-5422'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

23. CASING RECORD (Report all strings set in well)

| CASING SIZE/GRADE | WEIGHT, L.B./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD        | AMOUNT PULLED |
|-------------------|------------------|----------------|-----------|--|---------------|
| 8-5/8" - J-55     | 24#              | 327'           | 12-1/4"   | To surface with 160 sx Class "G" cmt   |               |
| 5-1/2" - J-55     | 15.5#            | 5870'          | 7-7/8"    | 400 sx Premite II and 450 sx 50/50 Poz |               |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|------|----------|-------------|---------------|-------------|
|      |          |             |               |             |

30. TUBING RECORD

| SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------------|-----------------|
| 2-7/8" | EOT @ 5502'    | TA @ 5403'      |

31. PERFORATION RECORD (Interval, size and number)

| INTERVAL                        | SIZE | SPF/NUMBER |
|---------------------------------|------|------------|
| (CP2) 5410'-5422'               | .46" | 4/48       |
| (B1&2) 4718'-4730', 4768'-4786' | .43" | 4/120      |
| (GB6) 4002'-4007'               | .43" | 4/20       |
|                                 |      |            |
|                                 |      |            |
|                                 |      |            |
|                                 |      |            |
|                                 |      |            |
|                                 |      |            |

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED              |
|---------------------|---|
| 5410'-5422'         | Frac w/ 45,584# 20/40 sand in 483 bbls fluid  |
| 4718'-4786'         | Frac w/ 124,027# 20/40 sand in 851 bbls fluid |
| 4002'-4007'         | Frac w/ 23,163# 20/40 sand in 305 bbls fluid  |
|                     |   |
|                     |   |
|                     |   |
|                     |   |
|                     |   |

33.\* PRODUCTION

|                                  |  |   |                                   |                                   |                 |               |   |                     |
|----------------------------------|--|---|-----------------------------------|-----------------------------------|-----------------|---------------|---|---------------------|
| DATE FIRST PRODUCTION<br>1/19/06 |  | PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)<br>2-1/2" x 1-1/2" x 15' RHAC SM Plunger Pump |                                   |                                   |                 |               | WELL STATUS (Producing or shut-in)<br>PRODUCING |                     |
| DATE OF TEST<br>30 day ave       |  | HOURS TESTED  | CHOKER SIZE                       | PROD'N. FOR TEST PERIOD<br>-----> | OIL--BBL.<br>84 | GAS--MCF<br>6 | WATER--BBL.<br>0                                | GAS-OIL RATIO<br>71 |
| FLOW, TUBING PRESS.              |  | CASING PRESSURE   | CALCULATED 24-HOUR RATE<br>-----> | OIL--BBL.                         | GAS--MCF        | WATER--BBL.   | OIL GRAVITY-API (CORR.)                         |                     |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from \_\_\_\_\_

*M. Sanchez-Cruz*

FEB 27 2006

Regulatory Specialist

2/20/2006

| 37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries); |     |        |                                | 38. GEOLOGIC MARKERS  |             |                     |
|--|-----|--------|--------------------------------|-----------------------|-------------|---------------------|
| FORMATION  | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC.    | NAME                  | TOP         |                     |
|  |     |        |                                |                       | MEAS. DEPTH | TRUE<br>VERT. DEPTH |
|  |     |        | Well Name<br>Federal 1-22-9-16 | Garden Gulch Mkr      | 3464'       |                     |
|  |     |        |                                | Garden Gulch 1        | 3674'       |                     |
|  |     |        |                                | Garden Gulch 2        | 3786'       |                     |
|  |     |        |                                | Point 3 Mkr           | 4054'       |                     |
|  |     |        |                                | X Mkr                 | 4296'       |                     |
|  |     |        |                                | Y-Mkr                 | 4329'       |                     |
|  |     |        |                                | Douglas Creek Mkr     | 4444'       |                     |
|  |     |        |                                | BiCarbonate Mkr       | 4680'       |                     |
|  |     |        |                                | B Limestone Mkr       | 4790'       |                     |
|  |     |        |                                | Castle Peak           | 5300'       |                     |
|  |     |        |                                | Basal Carbonate       | 5754'       |                     |
|  |     |        |                                | Total Depth (LOGGERS) | 5863'       |                     |

|   |  |   |
|---|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |  | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-74392   |
| <b>1. TYPE OF WELL</b><br>Oil Well  |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY  |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)   |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630, Myton, UT, 84052   |  | <b>8. WELL NAME and NUMBER:</b><br>FEDERAL 1-22-9-16  |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0887 FNL 0963 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S   |  | <b>9. API NUMBER:</b><br>43013326120000   |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext  |  | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE  |
| <b>COUNTY:</b><br>DUCHESNE  |  | <b>STATE:</b><br>UTAH   |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA   |  |   |
| <b>TYPE OF SUBMISSION</b>   | <b>TYPE OF ACTION</b>  |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:  | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> CHANGE WELL NAME<br><input checked="" type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input checked="" type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input type="checkbox"/> WILDCAT WELL DETERMINATION<br><input type="checkbox"/> OTHER |   |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>11/16/2012   | <input type="checkbox"/> SPUD REPORT<br>Date of Spud:  |   |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <input type="checkbox"/> APD EXTENSION<br>OTHER: <input style="width: 100px;" type="text"/>  |   |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.<br><p>The subject well has been converted from a producing oil well to an injection well on 11/14/2012. On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.</p> |  |   |
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto   |  | <b>PHONE NUMBER</b><br>435 646-4874   |
| <b>SIGNATURE</b><br>N/A   |  | <b>TITLE</b><br>Water Services Technician   |
| <b>DATE</b><br>11/20/2012   |  | <b>Accepted by the Utah Division of Oil, Gas and Mining</b><br><br><b>Date:</b> November 26, 2012<br><b>By:</b> |

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 11/16/12 Time 9:00 am pm

Test Conducted by: Riley Bagley

Others Present: \_\_\_\_\_

Well: Federal 1-22-9-16

Field: Monument Butte

Well Location: Federal 1-22-9-16

API No: 4301332612

| <u>Time</u> | <u>Casing Pressure</u> |      |
|-------------|------------------------|------|
| 0 min       | <u>1660</u>            | psig |
| 5           | <u>1660</u>            | psig |
| 10          | <u>1660</u>            | psig |
| 15          | <u>1660</u>            | psig |
| 20          | <u>1660</u>            | psig |
| 25          | <u>1660</u>            | psig |
| 30 min      | <u>1660</u>            | psig |
| 35          | _____                  | psig |
| 40          | _____                  | psig |
| 45          | _____                  | psig |
| 50          | _____                  | psig |
| 55          | _____                  | psig |
| 60 min      | _____                  | psig |

Tubing pressure: 0 psig

Result:

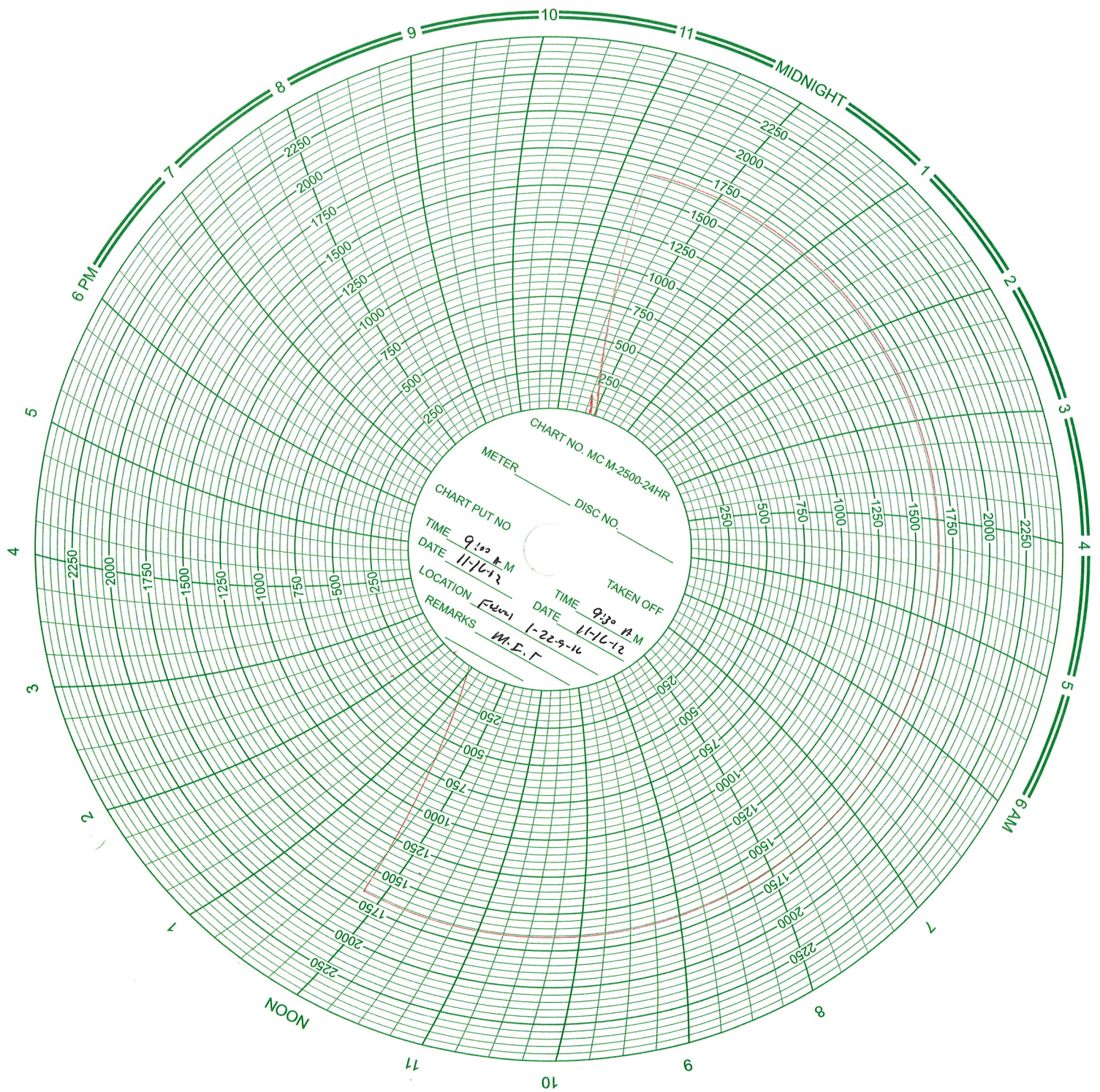
Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Riley Bagley







## Daily Activity Report

Format For Sundry

FEDERAL 1-22-9-16

9/1/2012 To 1/30/2013

**11/13/2012 Day: 1**

**Conversion**

WWS #7 on 11/13/2012 - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- good test- LD 1-1/2 X 26' polish rods 2',8' x 3/4 ponys, 209- H per 3/4, 6-1-1/2 WT bars, w/6 stab subs& pump Flushed 2 more times w/ 30 BW X 10 to TBG EQ NDWH release TAC NU BOP BU work floor& tubing EQ flush tbg w/ 30 bw TOO H talling TBG breaking inspecting & green doping every connections w/ 70 jts 2-7/8 j-55 tbg SWT. - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- good test- LD 1-1/2 X 26' polish rods 2',8' x 3/4 ponys, 209- H per 3/4, 6-1-1/2 WT bars, w/6 stab subs& pump Flushed 2 more times w/ 30 BW X 10 to TBG EQ NDWH release TAC NU BOP BU work floor& tubing EQ flush tbg w/ 30 bw TOO H talling TBG breaking inspecting & green doping every connections w/ 70 jts 2-7/8 j-55 tbg SWT. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$17,350

---

**11/14/2012 Day: 2**

**Conversion**

WWS #7 on 11/14/2012 - Flushing Tbg w/30 BW count TOO H talling tbg breaking. - Flushing TBG w/30 BW count TOO H talling TBG breaking inspecting an green doping every connection w/ 54 JTS 2-3/8 J-55 tbg LD 46 JTS 5-1/2 TAC,JT, SN, 2 jnts, NC, TH w/ 2-7/8 re-entry guide x/n nipple 1.875 profile, 4 tbg sub, X lover, 5 1/2 AS-7 X PKR, on/off Tool 2-7/8 SN 124 JTS 2-7/8 J-55 TBG pump 15 BW drop SV psi test TBG to 3000 psi w/15 BW @ 10:40 psi tbg up 40 more times losing slowiy by 5:00 50-75 psi tbg up 45 min sw ready to check in the AM. - Flushing TBG w/30 BW count TOO H talling TBG breaking inspecting an green doping every connection w/ 54 JTS 2-3/8 J-55 tbg LD 46 JTS 5-1/2 TAC,JT, SN, 2 jnts, NC, TH w/ 2-7/8 re-entry guide x/n nipple 1.875 profile, 4 tbg sub, X lover, 5 1/2 AS-7 X PKR, on/off Tool 2-7/8 SN 124 JTS 2-7/8 J-55 TBG pump 15 BW drop SV psi test TBG to 3000 psi w/15 BW @ 10:40 psi tbg up 40 more times losing slowiy by 5:00 50-75 psi tbg up 45 min sw ready to check in the AM. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$23,995

---

**11/15/2012 Day: 3**

**Conversion**

WWS #7 on 11/15/2012 - set pkr, psi test - Bleed off tubing, ret SV mix pkr fluid w/60 bbls fresh water. Circ 50 bbls down csg, ND BOP set pkr @ 3951 SN @ 3945, XN 3959. EOT @ 3961 land tubing w 16000# tension NUWH psi test csg to 1,500, w/5 bw. Pressure up, good test. RDMO. - Bleed off tubing, ret SV mix pkr fluid w/60 bbls fresh water. Circ 50 bbls down csg, ND BOP set pkr @ 3951 SN @ 3945, XN 3959. EOT @ 3961 land tubing w 16000# tension NUWH psi test csg to 1,500, w/5 bw. Pressure up, good test. RDMO.

**Daily Cost:** \$0

**Cumulative Cost:** \$28,513

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**11/19/2012 Day: 4**

**Conversion**

Rigless on 11/19/2012 - Conduct initial MIT - On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$117,347

---

**Pertinent Files: [Go to File List](#)**

|  |  |   |
|--|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | FORM 9  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-74392 |
|  |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                |
| <b>1. TYPE OF WELL</b><br>Water Injection Well   |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)         |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY   |  | <b>8. WELL NAME and NUMBER:</b><br>FEDERAL 1-22-9-16        |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630, Myton, UT, 84052  |  | <b>9. API NUMBER:</b><br>43013326120000                     |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0887 FNL 0963 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S  |  | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE      |
|  |  | <b>COUNTY:</b><br>DUCHESNE                                  |
|  |  | <b>STATE:</b><br>UTAH                                       |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

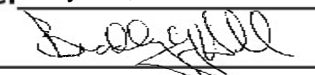
| TYPE OF SUBMISSION   | TYPE OF ACTION   |   |   |  |
|--|--|---|---|--|
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:                 | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |  |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>6/13/2013 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |  |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:  | <input checked="" type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input checked="" type="checkbox"/> CONVERT WELL TYPE   |  |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:                                       | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |  |
|  | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |  |
|  | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |  |
|  | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |  |
|  | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |  |
|  | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input type="checkbox"/> APD EXTENSION                  |  |
|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input checked="" type="checkbox"/> OTHER               | OTHER: <input type="text" value="Commence Injection"/>  |  |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 11:00 AM on  
06/13/2013.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

Date: July 01, 2013

By: 

|   |                                     |   |
|---|-------------------------------------|---|
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto | <b>PHONE NUMBER</b><br>435 646-4874 | <b>TITLE</b><br>Water Services Technician |
| <b>SIGNATURE</b><br>N/A                           |                                     | <b>DATE</b><br>6/17/2013                  |

|  |   |   |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
|--|---|---|----------------------------------|---------------------------------------|--|---|--|---|--|---|---|---------------------------------|---|---|--|---|------------------------------------|---|---|---|--|---|--|--|--|---|--|---|--|---|---|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |   | <b>FORM 9</b>   |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.   |   | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>UTU-74392                                  |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| 1. TYPE OF WELL<br>Water Injection Well  |   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:   |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| 2. NAME OF OPERATOR:<br>NEWFIELD PRODUCTION COMPANY  |   | 7. UNIT or CA AGREEMENT NAME:<br>GMBU (GRRV)  |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| 3. ADDRESS OF OPERATOR:<br>Rt 3 Box 3630, Myton, UT, 84052   |   | 8. WELL NAME and NUMBER:<br>FEDERAL 1-22-9-16   |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>0887 FNL 0963 FEL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: NENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S   |   | 9. API NUMBER:<br>43013326120000  |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| 9. FIELD and POOL or WILDCAT:<br>MONUMENT BUTTE  |   | 10. COUNTY:<br>DUCHESNE   |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| 11. STATE:<br>UTAH   |   |   |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  |   |   |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| TYPE OF SUBMISSION<br><br><input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><br><input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>6/13/2013<br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input type="checkbox"/> DRILLING REPORT<br>Report Date:  | TYPE OF ACTION<br><br><table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input checked="" type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input checked="" type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input checked="" type="checkbox"/> OTHER</td> <td>OTHER: <span style="border: 1px solid black; padding: 2px;">Commence Injection</span></td> </tr> </table> |   | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME | <input checked="" type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input checked="" type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input checked="" type="checkbox"/> OTHER | OTHER: <span style="border: 1px solid black; padding: 2px;">Commence Injection</span> |
| <input type="checkbox"/> ACIDIZE   | <input type="checkbox"/> ALTER CASING   | <input type="checkbox"/> CASING REPAIR  |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  | <input type="checkbox"/> CHANGE TUBING  | <input type="checkbox"/> CHANGE WELL NAME   |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| <input checked="" type="checkbox"/> CHANGE WELL STATUS   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS   | <input checked="" type="checkbox"/> CONVERT WELL TYPE                                 |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| <input type="checkbox"/> DEEPEN  | <input type="checkbox"/> FRACTURE TREAT   | <input type="checkbox"/> NEW CONSTRUCTION   |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| <input type="checkbox"/> OPERATOR CHANGE   | <input type="checkbox"/> PLUG AND ABANDON   | <input type="checkbox"/> PLUG BACK  |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| <input type="checkbox"/> PRODUCTION START OR RESUME  | <input type="checkbox"/> RECLAMATION OF WELL SITE   | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION                               |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| <input type="checkbox"/> REPERFORATE CURRENT FORMATION   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL   | <input type="checkbox"/> TEMPORARY ABANDON  |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| <input type="checkbox"/> TUBING REPAIR   | <input type="checkbox"/> VENT OR FLARE  | <input type="checkbox"/> WATER DISPOSAL   |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| <input type="checkbox"/> WATER SHUTOFF   | <input type="checkbox"/> SI TA STATUS EXTENSION   | <input type="checkbox"/> APD EXTENSION  |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| <input type="checkbox"/> WILDCAT WELL DETERMINATION  | <input checked="" type="checkbox"/> OTHER   | OTHER: <span style="border: 1px solid black; padding: 2px;">Commence Injection</span> |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.<br><br><div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">           The above reference well was put on injection at 11:00 AM on<br/>           06/13/2013.         </div> <div style="width: 35%; text-align: right;"> <b>Accepted by the<br/>           Utah Division of<br/>           Oil, Gas and Mining</b><br/><br/> <b>Date:</b> July 01, 2013<br/><br/> <b>By:</b> </div> </div> |   |   |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| NAME (PLEASE PRINT)<br>Lucy Chavez-Naupoto   | PHONE NUMBER<br>435 646-4874  | TITLE<br>Water Services Technician  |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |
| SIGNATURE<br>N/A   | DATE<br>6/17/2013   |   |                                  |                                       |  |   |  |   |  |   |   |                                 |   |   |  |   |                                    |   |   |   |  |   |  |  |  |   |  |   |  |   |   |   |

Spud Date: 12-26-05  
Put on Production: 01-19-06  
GL: 5742' KB: 5754'

## Federal 1-22-9-16

### Injection Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (315.48')  
DEPTH LANDED: 327.33' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts (5871.28')  
DEPTH LANDED: 5869.78' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 120'

#### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 124 jts (3933.1')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 3945.1' KB  
ON/OFF TOOL AT: 3946.2'  
ARROW #1 PACKER CE AT: 3951'  
XO 2-3/8 x 2-7/8 J-55 AT: 3955.2'  
TBG PUP 2-3/8 J-55 AT: 3955.8'  
X/N NIPPLE AT: 3959.9'  
TOTAL STRING LENGTH: EOT @ 3961'

#### FRAC JOB

|            |            |   |
|------------|------------|---|
| 01-16-06   | 5410-5422' | <b>Frac CP2, sands as follows:</b><br>45584# 20/40 sand in 483 bbls Lightning 17<br>frac fluid. Treated @ avg press of 2087 psi<br>w/avg rate of 25 BPM. ISIP 2130 psi. Calc<br>flush: 5408 gal. Actual flush: 4788 gal.            |
| 01-16-06   | 4718-4730' | <b>Frac B2, &amp; B1 sands as follows:</b><br>124027# 20/40 sand in 851 bbls Lightning 17<br>frac fluid. Treated @ avg press of 1490 psi<br>w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc<br>flush: 4716 gal. Actual flush: 4116 gal. |
| 01-16-06   | 4002-4007' | <b>Frac GB6 sands as follows:</b><br>23163# 20/40 sand in 305 bbls Lightning 17<br>frac fluid. Treated @ avg press of 1785 psi<br>w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc<br>flush: 4000 gal. Actual flush: 3877 gal.           |
| 03/22/06   |            | <b>Pump Change</b> Update rod and tubing details.   |
| 9-3-08     |            | <b>Pump Change</b> Updated rod & tubing details.  |
| 7/21/09    |            | <b>Tubing Leak</b> Updated rod & tubing details.  |
| 01/13/2011 |            | <b>Pump Change</b> Rod & tubing detail updated.   |
| 11/14/12   |            | <b>Convert to Injection Well</b>  |
| 11/16/12   |            | <b>Conversion MIT Finalized</b> - update tbg<br>detail  |

#### PERFORATION RECORD

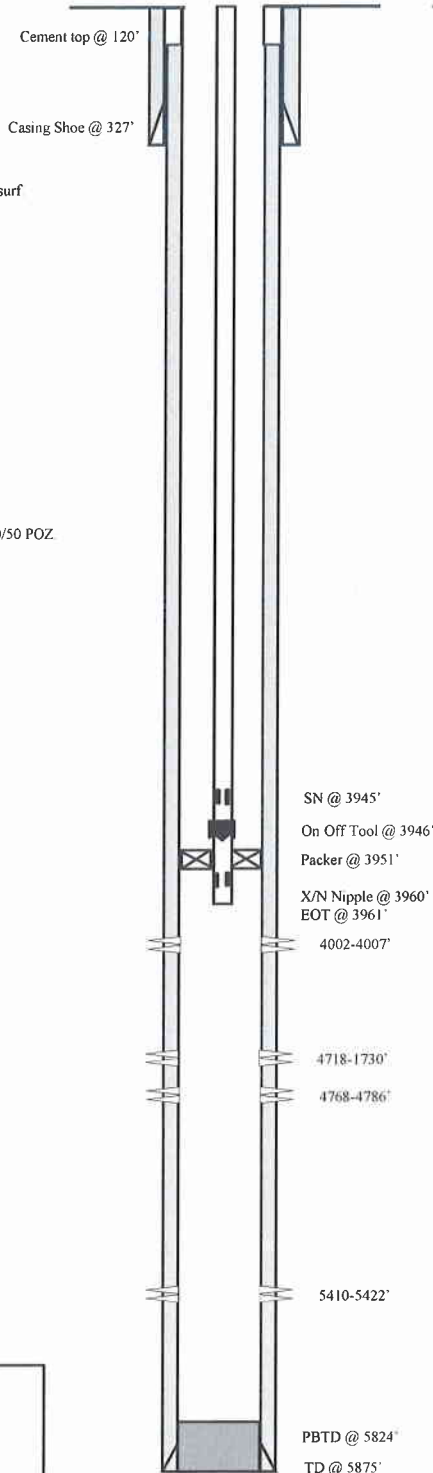
|          |            |        |          |
|----------|------------|--------|----------|
| 01-11-06 | 5410-5422' | 4 JSPF | 48 holes |
| 01-16-06 | 4768-4786' | 4 JSPF | 72 holes |
| 01-16-06 | 4718-4730' | 4 JSPF | 48 holes |
| 01-16-06 | 4002-4007' | 4 JSPF | 20 holes |

**NEWFIELD**



**Federal 1-22-9-16**

887' FNL & 963' FEL  
NE/NE Section 22-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32612; Lease #UTU-74392





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

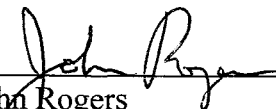
Cause No. UIC-392

**Operator:** Newfield Production Company  
**Well:** Federal 1-22-9-16  
**Location:** Section 22, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32612  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on August 21, 2012.
2. Maximum Allowable Injection Pressure: 1,869 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,784' – 5,824')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

12-4-2012  
Date

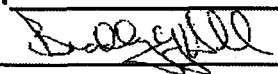
JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





|   |   |   |  |   |   |
|---|---|---|--|---|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |   | <b>FORM 9</b>   |  |   |   |
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| <b>1. TYPE OF WELL</b><br>Oil Well  |   | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b><br><br>  |  |   |   |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY  |   | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)   |  |   |   |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630, Myton, UT, 84052   |   | <b>8. WELL NAME and NUMBER:</b><br>FEDERAL 1-22-9-16  |  |   |   |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0887 FNL 0963 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S   |   | <b>9. API NUMBER:</b><br>43013326120000   |  |   |   |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext  |   | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE  |  |   |   |
| <b>COUNTY:</b><br>DUCHESNE  |   | <b>STATE:</b><br>UTAH   |  |   |   |
| <b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>  |   |   |  |   |   |
| <b>TYPE OF SUBMISSION</b>   | <b>TYPE OF ACTION</b>   |   |  |   |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><br><input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>11/16/2012<br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE<br/> <input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br/> <input checked="" type="checkbox"/> CHANGE WELL STATUS<br/> <input type="checkbox"/> DEEPEN<br/> <input type="checkbox"/> OPERATOR CHANGE<br/> <input type="checkbox"/> PRODUCTION START OR RESUME<br/> <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br/> <input type="checkbox"/> TUBING REPAIR<br/> <input type="checkbox"/> WATER SHUTOFF<br/> <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING<br/> <input type="checkbox"/> CHANGE TUBING<br/> <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br/> <input type="checkbox"/> FRACTURE TREAT<br/> <input type="checkbox"/> PLUG AND ABANDON<br/> <input type="checkbox"/> RECLAMATION OF WELL SITE<br/> <input type="checkbox"/> SIDETRACK TO REPAIR WELL<br/> <input type="checkbox"/> VENT OR FLARE<br/> <input type="checkbox"/> SI TA STATUS EXTENSION<br/> <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR<br/> <input type="checkbox"/> CHANGE WELL NAME<br/> <input checked="" type="checkbox"/> CONVERT WELL TYPE<br/> <input type="checkbox"/> NEW CONSTRUCTION<br/> <input type="checkbox"/> PLUG BACK<br/> <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br/> <input type="checkbox"/> TEMPORARY ABANDON<br/> <input type="checkbox"/> WATER DISPOSAL<br/> <input type="checkbox"/> APD EXTENSION<br/>           OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span> </td> </tr> </table> |   | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input checked="" type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input checked="" type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION<br>OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span> |
| <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input checked="" type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION  | <input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input type="checkbox"/> OTHER   | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input checked="" type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION<br>OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span> |  |   |   |
| <b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b><br><br>The subject well has been converted from a producing oil well to an injection well on 11/14/2012. On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. |   |   |  |   |   |
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto   |   | <b>PHONE NUMBER</b><br>435 646-4874   |  |   |   |
| <b>SIGNATURE</b><br>N/A   |   | <b>TITLE</b><br>Water Services Technician   |  |   |   |
| <b>DATE</b><br>11/20/2012   |   | <b>Accepted by the Utah Division of Oil, Gas and Mining</b><br><br><b>Date:</b> November 26, 2012<br><b>By:</b>    |  |   |   |

Sundry Number: 32224 API Well Number: 43013326120000

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 11/16/12 Time 9:00 (am) pm

Test Conducted by: Riley Bagley

Others Present: \_\_\_\_\_

Well: Federal 1-22-9-16

Field: Monument Butte

Well Location: Federal 1-22-9-16

API No: 4301332612

| <u>Time</u> | <u>Casing Pressure</u> |      |
|-------------|------------------------|------|
| 0 min       | <u>1660</u>            | psig |
| 5           | <u>1660</u>            | psig |
| 10          | <u>1660</u>            | psig |
| 15          | <u>1660</u>            | psig |
| 20          | <u>1660</u>            | psig |
| 25          | <u>1660</u>            | psig |
| 30 min      | <u>1660</u>            | psig |
| 35          | _____                  | psig |
| 40          | _____                  | psig |
| 45          | _____                  | psig |
| 50          | _____                  | psig |
| 55          | _____                  | psig |
| 60 min      | _____                  | psig |

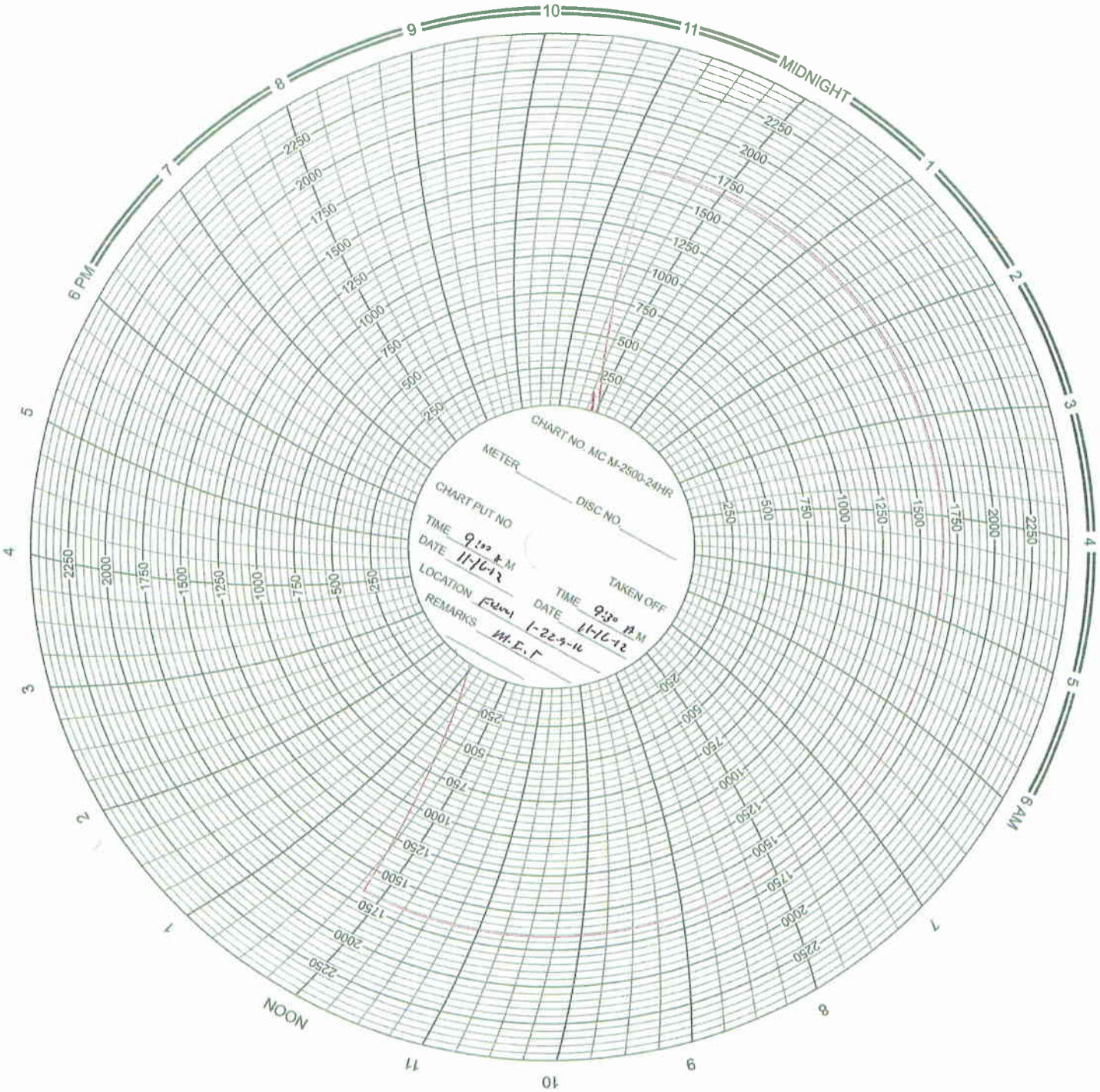
Tubing pressure: 0 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Riley Bagley

Sundry Number: 32224 API Well Number: 43013326120000



## Daily Activity Report

Format For Sundry  
**FEDERAL 1-22-9-16**  
**9/1/2012 To 1/30/2013**

**11/13/2012 Day: 1**

**Conversion**

WWS #7 on 11/13/2012 - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- good test- LD 1-1/2 X 26' polish rods 2',8' x 3/4 ponys, 209- H per 3/4, 6-1-1/2 WT bars, w/6 stab subs& pump Flushed 2 more times w/ 30 BW X 10 to TBG EQ NDWH release TAC NU BOP BU work floor& tubing EQ flush tbg w/ 30 bw TOO H talling TBG breaking inspecting & green doping every connections w/ 70 jts 2-7/8 j-55 tbg SWT. - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- good test- LD 1-1/2 X 26' polish rods 2',8' x 3/4 ponys, 209- H per 3/4, 6-1-1/2 WT bars, w/6 stab subs& pump Flushed 2 more times w/ 30 BW X 10 to TBG EQ NDWH release TAC NU BOP BU work floor& tubing EQ flush tbg w/ 30 bw TOO H talling TBG breaking inspecting & green doping every connections w/ 70 jts 2-7/8 j-55 tbg SWT. **Finalized**

**Daily Cost: \$0**

**Cumulative Cost: \$17,350**

**11/14/2012 Day: 2**

**Conversion**

WWS #7 on 11/14/2012 - Flushing Tbg w/30 BW count TOO H talling tbg breaking. - Flushing TBG w/30 BW count TOO H talling TBG breaking inspecting an green doping every connection w/ 54 JTS 2-3/8 J-55 tbg LD 46 JTS 5-1/2 TAC,JT, SN, 2 jnts, NC, TH w/ 2-7/8 re-entry guide x/n nipple 1.875 profile, 4 tbg sub, X lover, 5 1/2 AS-7 X PKR, on/off Tool 2-7/8 SN 124 JTS 2-7/8 J-55 TBG pump 15 BW drop SV psi test TBG to 3000 psi w/15 BW @ 10:40 psi tbg up 40 more times losing slowiy by 5:00 50-75 psi tbg up 45 min sw ready to check in the AM. - Flushing TBG w/30 BW count TOO H talling TBG breaking inspecting an green doping every connection w/ 54 JTS 2-3/8 J-55 tbg LD 46 JTS 5-1/2 TAC,JT, SN, 2 jnts, NC, TH w/ 2-7/8 re-entry guide x/n nipple 1.875 profile, 4 tbg sub, X lover, 5 1/2 AS-7 X PKR, on/off Tool 2-7/8 SN 124 JTS 2-7/8 J-55 TBG pump 15 BW drop SV psi test TBG to 3000 psi w/15 BW @ 10:40 psi tbg up 40 more times losing slowiy by 5:00 50-75 psi tbg up 45 min sw ready to check in the AM. **Finalized**

**Daily Cost: \$0**

**Cumulative Cost: \$23,995**

**11/15/2012 Day: 3**

**Conversion**

WWS #7 on 11/15/2012 - set pkr, psi test - Bleed off tubing, ret SV mix pkr fluid w/60 bbls fresh water. Circ 50 bbls down csg, ND BOP set pkr @ 3951 SN @ 3945, XN 3959. EOT @ 3961 land tubing w 16000# tension NUWH psi test csg to 1,500, w/5 bw. Pressure up, good test. RDMO. - Bleed off tubing, ret SV mix pkr fluid w/60 bbls fresh water. Circ 50 bbls down csg, ND BOP set pkr @ 3951 SN @ 3945, XN 3959. EOT @ 3961 land tubing w 16000# tension NUWH psi test csg to 1,500, w/5 bw. Pressure up, good test. RDMO.

**Daily Cost: \$0**

**Cumulative Cost: \$28,513**

**11/19/2012 Day: 4**

**Conversion**

Rigless on 11/19/2012 - Conduct initial MIT - On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$117,347

**Pertinent Files: Go to File List**



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

August 21, 2012

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 1-22-9-16, Section 22, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32612

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,784 feet in the Federal 1-22-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers  
Associate Director

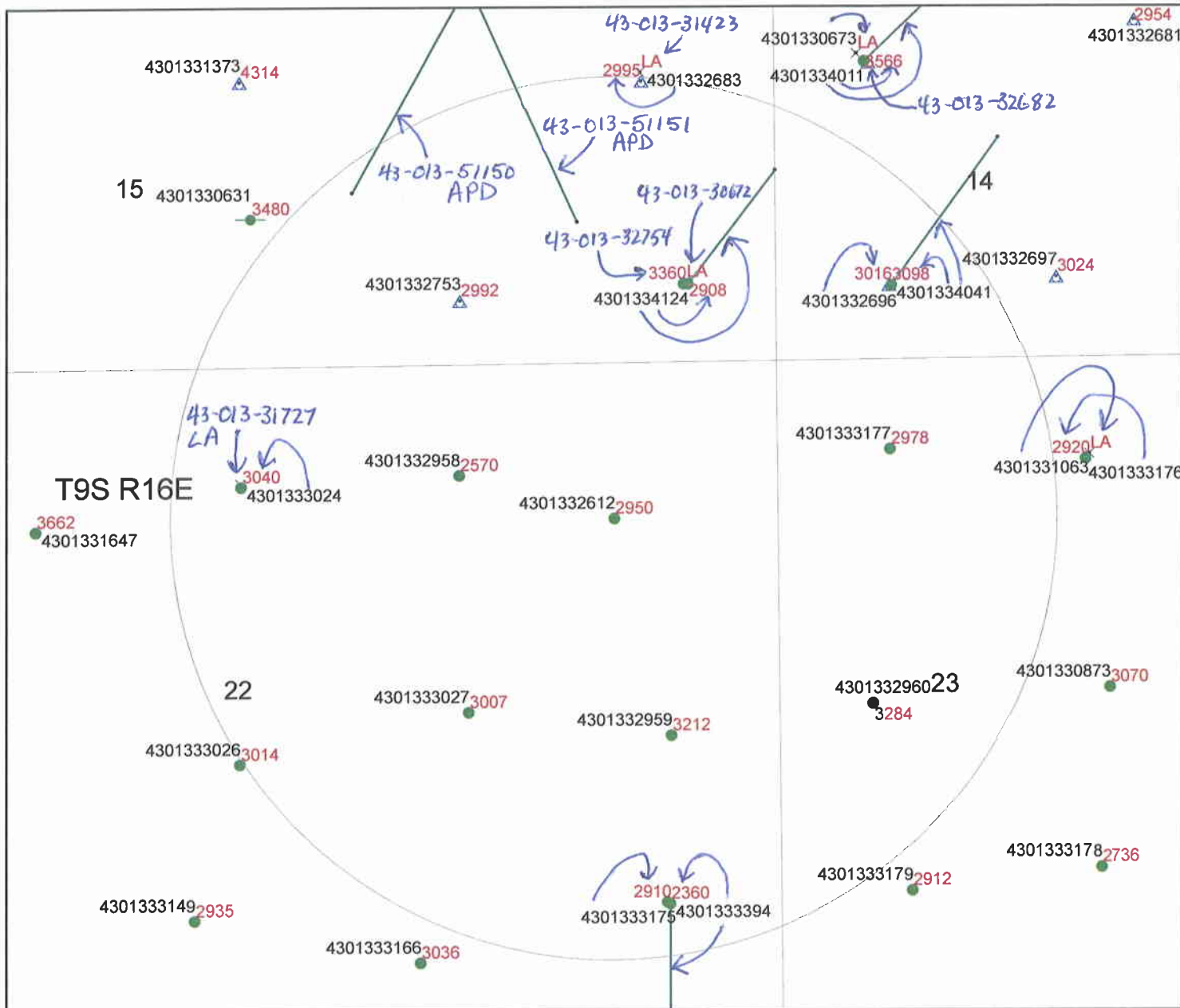
JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC







Cement Bond Tops  
FEDERAL 1-22-9-16  
API #43-013-32612  
UIC 392.13

## Legend

- |   |   |
|---|---|
| Buffer_of_SGID93_ENERGY_DNROilGasWells_87 | PGW                                     |
| SGID93_ENERGY_DNROilGasWells              | POW                                     |
| <b>SGID93_ENERGY_DNROilGasWells</b>       | RET                                     |
| <b>GIS_STAT_TYPE</b>                      | SGW                                     |
| ○ APD                                     | SOW                                     |
| ⊙ DRL                                     | TA                                      |
| ⊗ GIW                                     | TW                                      |
| ○ <sub>GS</sub> GSW                       | WDW                                     |
| × LA                                      | WIW                                     |
| ○ LOC                                     | WSW                                     |
| ○ OPS                                     |   |
| ⊙ PA                                      |   |
|   | SGID93_BOUNDARIES_Countries             |
|   | • SGID93_ENERGY_DNROilGasWells_HDBottom |
|   | — SGID93_ENERGY_DNROilGasWells_HDPath   |
|   | • Wells-CbitopsMaster08_14_12           |

0 0.05 0.1 0.2 0.3 0.4 Miles



1870calc = approx cement top calculated from well completion report



**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Federal 1-22-9-16

**Location:** 22/9S/16E      **API:** 43-013-32612

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 327 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,870 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,950 feet. A 2 7/8 inch tubing with a packer will be set at 3,952 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 12 producing wells and 2 injection wells in the AOR. Two of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. In addition, there are two approved surface locations outside the AOR from which directional wells will be drilled to bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2600 feet. Injection shall be limited to the interval between 3,784 feet and 5,824 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 1-22-9-16 well is 0.84 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,869 psig. The requested maximum pressure is 1,869 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Federal 1-22-9-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 8/16/2012

1770 S. 5600 W.  
P.O. BOX 704005  
WEST VALLEY CITY, UTAH 84170  
FED. TAX I.D.# 87-0217663

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

| CUSTOMER NAME AND ADDRESS  | ACCOUNT NUMBER | DATE      |
|--|----------------|-----------|
| DIV OF OIL-GAS & MINING,<br>1594 W NORTH TEMP #1210<br>P.O. BOX 145801<br>SALT LAKE CITY, UT 84114 | 9001402352     | 5/25/2012 |

JUN 04 2012

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-392

|   |                |
|---|----------------|
| ACCOUNT NAME  |                |
| DIV OF OIL-GAS & MINING,                              |                |
| TELEPHONE   | ADORDER#       |
| 8015385340  | 0000794885     |
| SCHEDULE  |                |
| Start 05/25/2012                                      | End 05/25/2012 |
| CUST. REF. NO.  |                |
| Newfield Prod UIC-392                                 |                |
| CAPTION   |                |
| BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT |                |
| SIZE  |                |
| 87 Lines  | 3.00           |
| TIMES   |                |
| 3   |                |
| MISC. CHARGES   | AD             |
|   | TC             |

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0107, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:  
Monument Federal 22-121 well located in SE/4 NW/4, Section 12, Township 9 South, Range 16 East  
API 43-013-15796  
Federal 3-13-9-16 well located in SW/4 NW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32658  
Federal 13-15-9-16 well located in SW/4 SW/4, Section 15, Township 9 South, Range 16 East  
API 43-013-33136  
Federal 7-17-9-16 well located in SW/4 NE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33030  
Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33062  
Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33174  
Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33066  
Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33067  
Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33104  
Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33068  
Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33145  
Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-31726  
Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-32612  
Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33027  
Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33176  
Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33178  
Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33182  
Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33084  
Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33344  
Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East  
API 43-013-31394

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rule. Protestants and/or intervenors should be prepared to demonstrate at the hearing how the matter affects their interests.

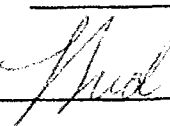
Dated this 22nd day of May, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Permitting Manager  
794885

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ABOVE NOTICED MATTER WAS PUBLISHED IN THE SALT LAKE TRIBUNE, A NEWSPAPER OF GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SAL  
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES  
CAUSE NO. UIC-392 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING DEPARTMENT OF NATURAL RESOURCES  
COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SAL  
NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY

PUBLISHED ON Start 05/25/2012 End 05/25/2012

SIGNATURE 

5/25/2012

VIRGINIA CRAFT  
Notary Public, State of Utah  
Commission # 581469  
My Commission Expires  
January 12, 2014

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

Send Payments to:  
 Uintah Basin Standard  
 268 S 200 E  
 Roosevelt, Utah 84066  
 Phone: 435-722-5131  
 Fax: 435-722-4140



Invoice Number      Invoice Date

30968

5/30/2012

Advertiser No.

Invoice Amount

Due Date

2080

\$191.45

6/29/2012

DIVISION OF OIL GAS & MINING  
 Rose Norton  
 1594 W. N. TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

RECEIVED  
 JUN 05 2012  
 DIVISION OF OIL GAS & MINING

1 1/2% fee will be charged to all  
 past due balances.

**Amount Enclosed**

Please detach top portion and return with your payment.

**INVOICE**

Uintah Basin Standard

DIVISION OF OIL GAS & MINING

Invoice No. 30968

5/30/2012

| Date      | Order | Description | Ad Size   | SubTotal              | Sales Tax | Amount   |
|-----------|-------|-------------|---|-----------------------|-----------|----------|
| 5/30/2012 | 15615 | UBS         | UBS Legal Notice: Not of Agcy Actn: Newfield Cause No. UIC-392<br>Pub. May 29, 2012 |                       |           | \$191.45 |
|           |       |             |   | Sub Total:            |           | \$191.45 |
|           |       |             |   | Total Transactions: 1 | Total:    | \$191.45 |

**SUMMARY**      Advertiser No.      2080      Invoice No.      30968

1 1/2% fee will be charged to all past due balances.

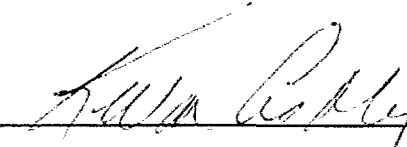
Thank You for your business!

Thank you for advertising with us, we appreciate your business!

# AFFIDAVIT OF PUBLICATION

County of Duchesne,  
STATE OF UTAH

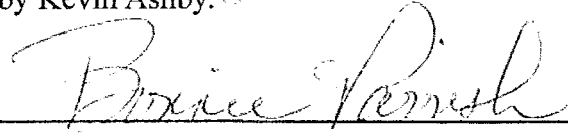
I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 29 day of May, 2012, and that the last publication of such notice was in the issue of such newspaper dated the 29 day of May, 2012, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

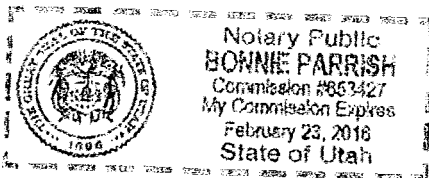
  
\_\_\_\_\_  
Publisher

Subscribed and sworn to before me on this

1 day of June, 2012

by Kevin Ashby.

  
\_\_\_\_\_  
Notary Public



## NOTICE OF AGENCY ACTION CAUSE NO. UIC-392

BEFORE THE DI-  
VISION OF OIL, GAS  
AND MINING, DE-  
PARTMENT OF NAT-  
URAL RESOURCES,  
STATE OF UTAH.

IN THE MATTER  
OF THE APPLICA-  
TION OF NEW-  
FIELD PRODUC-  
TION COMPANY  
FOR ADMINISTRA-  
TIVE APPROVAL  
OF CERTAIN WELLS  
LOCATED IN SEC-  
TIONS 12, 13, 15, 17.

Published May 22  
and 29, 2012.  
ing.  
in advance of the hear-  
Planning at least 3 days  
call Duchesne County  
this meeting should  
accommodations for  
needing special ac-  
utah.gov. Persons  
mhyde@duchesne.  
Utah 84021 or email  
Box 317, Duchesne,  
County Planning, P.O.  
ments to: Duchesne  
1151. Or, send com-  
Hyde at (435) 738-  
mation contact Mike  
For further infor-  
esne, Utah.  
Center Street, Duch-  
Building, 734 North  
County Administration  
Chambers, Duchesne  
PM in the Commission  
ing, beginning at 1:30  
June 18, 2012 meet-  
#12-302 during their  
proposed Ordinance  
recommendation and  
Planning Commission  
hearing to review the  
ers will conduct a pub-  
County Commission-  
The Duchesne  
residential areas.  
of livestock kept in  
restrict the numbers

## LEGAL N Your Right

Christensen, located on the south side of Highway 87 (Ioka Lane) and the west side of 4000 West, in the NE ¼ of the NE ¼ of Section 2, Township 3 South, Range 2 West.

The Duchesne County Commissioners will conduct a public hearing to review the Planning Commission recommendation and proposed rezoning ordinance during their June 18, 2012 meeting, beginning at 1:30 PM in the Commission Chambers, Duchesne County Administration Building, 734 North Center Street, Duchesne, Utah.

For further information contact Mike

## SERET P TRIC COOP

## ATORY TECHNI CHEMIST

is an electrical utility states. We have ar a Laboratory Tech a 500 MW coal-fi al, Utah.

candidate will be re le, and take indepen on high pressure O<sub>2</sub> scrubbers, demin potable water, and r candidate must also yondensate polishers, bulk chemical handl mputer literate and software.

High School graduat experience as a jo nician in an industria

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-392

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Monument Federal 22-12J well located in SE/4 NW/4, Section 12, Township 9 South, Range 16 East  
API 43-013-15796  
Federal 5-13-9-16 well located in SW/4 NW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32658  
Federal 13-15-9-16 well located in SW/4 SW/4, Section 15, Township 9 South, Range 16 East  
API 43-013-33136  
Federal 7-17-9-16 well located in SW/4 NE/4, Section 17, Township 9 South, Range 16 East  
API 43-013-33030  
Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33062  
Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33174  
Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33066  
Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33067  
Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33104  
Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33068  
Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33145  
Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-31726  
Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-32612  
Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33027  
Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33176

Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33178  
Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33182  
Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33084  
Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33344  
Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East  
API 43-013-31394

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 22<sup>nd</sup> day of May, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read 'Brad Hill', is written over a horizontal line.

Brad Hill  
Permitting Manager



**Newfield Production Company**

**MONUMENT FEDERAL 22-12J, FEDERAL 5-13-9-16, FEDERAL 13-15-9-16, FEDERAL 7-17-9-16, FEDERAL 1-19-9-16, FEDERAL 5-19-9-16, FEDERAL 1-20-9-16, FEDERAL 3-20-9-16, FEDERAL 5-20-9-16, FEDERAL 9-20-9-16, FEDERAL 9-21-9-16, MONUMENT FEDERAL 31-21-9-16Y, FEDERAL 1-22-9-16, FEDERAL 7-22-9-16, FEDERAL 3-23-9-16, FEDERAL 11-23-9-16, FEDERAL 15-23-9-16, FEDERAL 3-24-9-16, FEDERAL 15-24-9-16, FEDERAL 21-25Y**

**Cause No. UIC-392**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Uintah Basin Standard  
268 S 200 E  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Vernal Office  
Bureau of Land Management  
170 S 500 E  
Vernal, UT 84078

SITLA  
675 E 500 S Ste 500  
Salt Lake City, UT 84102-2818

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 22, 2012

Via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

**Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-392**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 5/23/2012 3:07 PM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

---

On 5/22/2012 2:09 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

It will be in the May 29 edition.

Thank you.

Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 22, 2012

Via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**From:** "Fultz, Mark" <naclegal@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 5/22/2012 2:32 PM  
**Subject:** Proof for Notice of Agency Action  
**Attachments:** OrderConf.pdf

AD# 794885  
Run SL Trib 5/25/12  
Cost \$331.25  
Please advise of any changes  
Thank You  
Ken

## Order Confirmation for Ad #0000794885-01

|                     |  |                       |   |
|---------------------|--|-----------------------|---|
| <b>Client</b>       | DIV OF OIL-GAS & MINING  | <b>Payor Customer</b> | DIV OF OIL-GAS & MINING                                       |
| <b>Client Phone</b> | 801-538-5340   | <b>Payor Phone</b>    | 801-538-5340  |
| <b>Account#</b>     | [REDACTED]   | <b>Payor Account</b>  | [REDACTED]  |
| <b>Address</b>      | 1594 W NORTH TEMP #1210, P.O. BOX 145801<br>SALT LAKE CITY, UT 84114 USA | <b>Payor Address</b>  | 1594 W NORTH TEMP #1210, P.O. BOX<br>SALT LAKE CITY, UT 84114 |
| <b>Fax</b>          | 801-359-3940   | <b>Ordered By</b>     | <b>Acct. Exec</b>   |
| <b>EMail</b>        | earlenerussell@utah.gov  | Jean                  | kstowe  |

|                            |                 |                           |                       |                          |
|----------------------------|-----------------|---------------------------|-----------------------|--------------------------|
| <b>Total Amount</b>        | <b>\$331.25</b> |                           |                       |                          |
| <b>Payment Amt</b>         | <b>\$0.00</b>   |                           |                       |                          |
|                            |                 | <u><b>Tear Sheets</b></u> | <u><b>Proofs</b></u>  | <u><b>Affidavits</b></u> |
| <b>Amount Due</b>          | <b>\$331.25</b> | 0                         | 0                     | 1                        |
| <b>Payment Method</b>      |                 | <u><b>PO Number</b></u>   | Newfield Prod UIC-392 |                          |
| <b>Confirmation Notes:</b> |                 |                           |                       |                          |
| <b>Text:</b>               | Jean            |                           |                       |                          |

|                |                |              |
|----------------|----------------|--------------|
| <b>Ad Type</b> | <b>Ad Size</b> | <b>Color</b> |
| Legal Liner    | 3.0 X 87 Li    | <NONE>       |

|                           |                           |                                 |
|---------------------------|---------------------------|---------------------------------|
| <u><b>Product</b></u>     | <u><b>Placement</b></u>   | <u><b>Position</b></u>          |
| Salt Lake Tribune::       | Legal Liner Notice - 0998 | Public Meeting/Hear-ing Notices |
| <b>Scheduled Date(s):</b> | 05/25/2012                |                                 |
| <u><b>Product</b></u>     | <u><b>Placement</b></u>   | <u><b>Position</b></u>          |
| sltrib.com::              | Legal Liner Notice - 0998 | Public Meeting/Hear-ing Notices |
| <b>Scheduled Date(s):</b> | 05/25/2012                |                                 |
| <u><b>Product</b></u>     | <u><b>Placement</b></u>   | <u><b>Position</b></u>          |
| utahlegals.com::          | utahlegals.com            | utahlegals.com                  |
| <b>Scheduled Date(s):</b> | 05/25/2012                |                                 |

## Order Confirmation for Ad #0000794885-01

Ad Content Proof Actual Size

# Order Confirmation for Ad #0000794885-01

Ad Content Proof 135%

**BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-392**

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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API 43-013-33136

Federal 7-17-9-16 well located in SW/4 NE/4, Section 17, Township 9 South, Range 16 East

API 43-013-33030

Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East

API 43-013-33062

Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33174

Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33066

Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East

API 43-013-33067

Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East

API 43-013-33104

Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33068

Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East

API 43-013-33145

Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South, Range 16 East

API 43-013-31726

Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-32612

Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-33027

Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East

API 43-013-33176

Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East

API 43-013-33178

Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East

API 43-013-33182

Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East

API 43-013-33084

Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East

API 43-013-33344

Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East

API 43-013-31394

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 22nd day of May, 2012.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

/s/Brad Hill

Permitting Manager

794885

UPAXLP





April 30, 2012

Mr. Mark Reinbold  
State of Utah  
Division of Oil, Gas and Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Federal #1-22-9-16  
Monument Butte Field, Lease #UTU-74392  
Section 22-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #1-22-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg".

Eric Sundberg  
Regulatory Lead

**RECEIVED**

**MAY 01 2012**

**DIV OF OIL, GAS, & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #1-22-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74392**  
**APRIL 30, 2012**


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| ATTACHMENT E-9                              | WELLBORE DIAGRAM – JONAH FEDERAL #9-15-9-16        |
| ATTACHMENT E-10                             | WELLBORE DIAGRAM – JONAH FEDERAL #16-15-9-16       |
| ATTACHMENT E-11                             | WELLBORE DIAGRAM – JONAH #15-15-9-16               |
| ATTACHMENT F                                | WATER ANALYSIS                                     |
| ATTACHMENT G                                | FRACTURE GRADIENT CALCULATIONS                     |
| ATTACHMENT G-1                              | FRACTURE REPORTS DATED – 1/12/06 – 1/20/06         |
| ATTACHMENT H                                | WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON       |
| ATTACHMENT H-1                              | WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL          |

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1001 17th Street, Suite 2000  
Denver, Colorado 80202

|   |   |
|---|---|
| Well Name and number: <u>Federal #1-22-9-16</u>   |   |
| Field or Unit name: <u>Monument Butte (Green River)</u>   | Lease No. <u>UTU-74392</u>  |
| Well Location: QQ <u>NENE</u> section <u>22</u> township <u>9S</u> range <u>16E</u> county <u>Duchesne</u>  |   |
| Is this application for expansion of an existing project? ..... Yes [ X ] No [ ]  |   |
| Will the proposed well be used for:   |   |
| Enhanced Recovery? .....  | Yes [ X ] No [ ]  |
| Disposal? .....   | Yes [ ] No [ X ]  |
| Storage? .....  | Yes [ ] No [ X ]  |
| Is this application for a new well to be drilled? ..... Yes [ ] No [ X ]  |   |
| If this application is for an existing well,  |   |
| has a casing test been performed on the well? ..... Yes [ ] No [ X ]  |   |
| Date of test: _____   |   |
| API number: <u>43-013-32612</u>   |   |
| Proposed injection interval: from <u>3784</u> to <u>5824</u>  |   |
| Proposed maximum injection: rate <u>500 bpd</u> pressure <u>1869</u> psig   |   |
| Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2 mile of the well.  |   |
| <div style="border: 1px solid black; padding: 5px; text-align: center;">IMPORTANT: Additional information as required by R615-5-2 should accompany this form.</div> |   |
| List of Attachments: <u>Attachments "A" through "H-1"</u>   |   |
| I certify that this report is true and complete to the best of my knowledge.  |   |
| Name: <u>Eric Sundberg</u>  | Signature <u></u> |
| Title: <u>Regulatory Lead</u>   | Date <u>4/30/12</u>   |
| Phone No. <u>(303) 893-0102</u>   |   |
| (State use only)  |   |
| Application approved by _____   | Title _____   |
| Approval Date _____   |   |
| Comments:   |   |

# Federal 1-22-9-16

Spud Date: 12-26-05  
Put on Production: 01-19-06  
GL: 5742' KB: 5754'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (315.48')  
DEPTH LANDED: 327.33' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

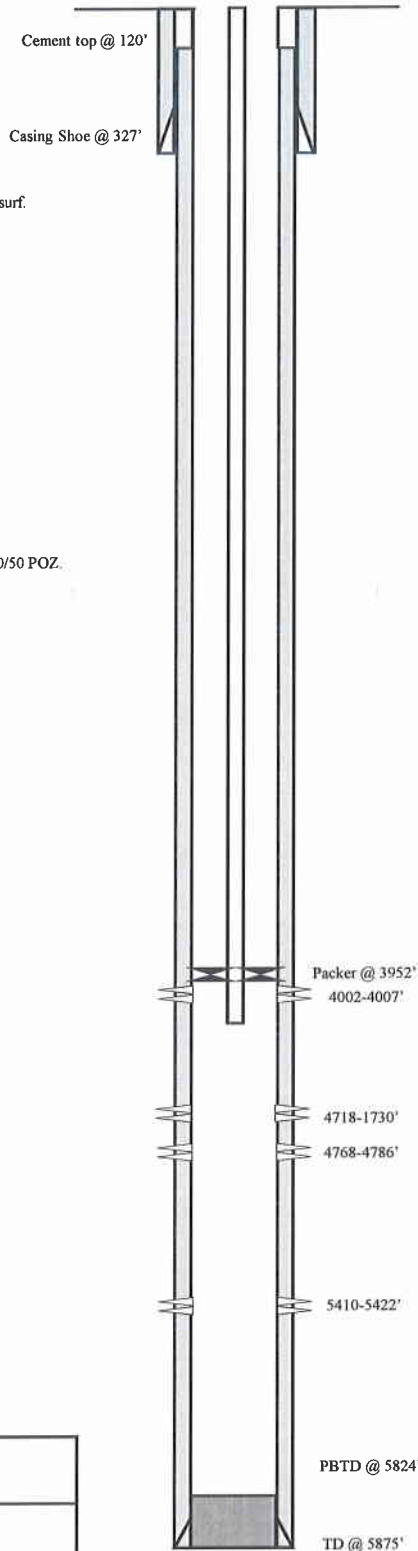
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5871.28')  
DEPTH LANDED: 5869.78' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 120'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 170 jts (5390.80')  
TUBING ANCHOR: 5403' KB  
NO. OF JOINTS: 1 jts (31.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5437' KB  
NO. OF JOINTS: 2 jts (63.20')  
TOTAL STRING LENGTH: EOT @ 5502' KB

## Proposed Injection Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

|            |            |  |
|------------|------------|--|
| 01-16-06   | 5410-5422' | <b>Frac CP2, sands as follows:</b><br>45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.            |
| 01-16-06   | 4718-4730' | <b>Frac B2, &amp; B1 sands as follows:</b><br>124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal. |
| 01-16-06   | 4002-4007' | <b>Frac GB6 sands as follows:</b><br>23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal.           |
| 03/22/06   |            | Pump Change. Update rod and tubing details.  |
| 9-3-08     |            | Pump Change. Updated rod & tubing details.   |
| 7/21/09    |            | Tubing Leak. Updated rod & tubing details.   |
| 01/13/2011 |            | Pump Change. Rod & tubing detail updated.  |

## PERFORATION RECORD

|          |            |        |          |
|----------|------------|--------|----------|
| 01-11-06 | 5410-5422' | 4 JSPF | 48 holes |
| 01-16-06 | 4768-4786' | 4 JSPF | 72 holes |
| 01-16-06 | 4718-4730' | 4 JSPF | 48 holes |
| 01-16-06 | 4002-4007' | 4 JSPF | 20 holes |

**NEWFIELD**

**Federal 1-22-9-16**

887' FNL & 963' FEL

NE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32612; Lease #UTU-74392

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Federal #1-22-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Federal #1-22-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3784' - 5824'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3462' and the TD is at 5875'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #1-22-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-74392) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.



**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 327' KB, and 5-1/2", 15.5# casing run from surface to 5870' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1869 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Federal #1-22-9-16, for existing perforations (4002' - 5422') calculates at 0.84 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1869 psig. We may add additional perforations between 3462' and 5875'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Federal #1-22-9-16, the proposed injection zone (3784' - 5824') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

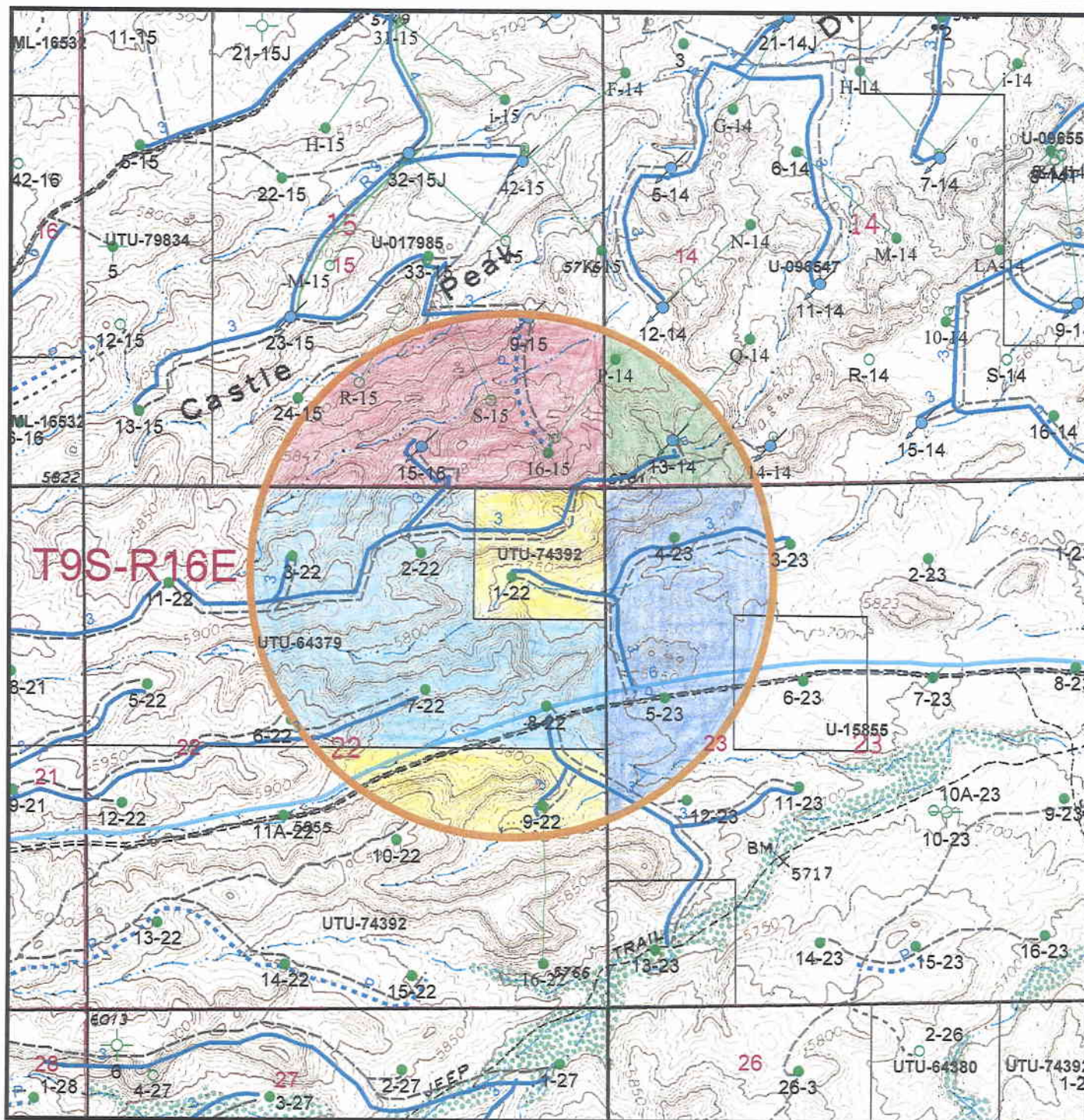
See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



# ATTACHMENT A



WellStatus\_HalfMile\_Buffer

Well Status

- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In

Injection system

- high pressure
- low pressure
- proposed
- return
- return proposed

Leases

Mining tracts

UTU-74392

UTU-64379

UTU-017985

UTU-096547

UTU-15855

Federal 1-22  
Section 22, T9S-R16E

NEWFIELD

ROCKY MOUNTAINS 1 in = 1,500 feet

1/2 Mile Radius Map  
Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

March 13, 2012





**EXHIBIT B**

| # | Legal Description   | Lessor & Expiration       | Lessee & Operating Rights   | Surface Owner |
|---|---|---------------------------|---|---------------|
| 1 | T9S-R16E SLM<br>Section 21: S2<br>Section 22: NENE, S2<br>Section 23: SWSW<br>Section 24: SESE<br>Section 26: NENE<br>Section 27: All<br>Section 28: All                                      | USA<br>UTU-74392<br>HBP   | Newfield Production Company<br>Newfield RMI LLC<br>ABO Petroleum Corp<br>MYCO Industries Inc<br>OXY Y-1 Company<br>Yates Petroleum Corp | USA           |
| 2 | T9S-R16E SLM<br>Section 8: SWNE, SE<br>Section 9: SWSW<br>Section 17: NE<br>Section 18: Lots 3, 4, E2SW, SE<br>Section 19: Lots 1,2, NE, E2NW<br>Section 21: N2<br>Section 22: W2NE, SENE, NW | USA<br>UTU - 64379<br>HBP | Newfield Production Company<br>Newfield RMI LLC<br>Yates Petroleum Corp   | USA           |
| 3 | T9S -R16E SLM<br>Section 10: S2SE<br>Section 15: E2, E2W2   | USA<br>UTU-017985<br>HBP  | Newfield Production Company<br>Newfield RMI LLC<br>ABO Petroleum Corp<br>MYCO Industries Inc<br>OXY Y-1 Company<br>Yates Petroleum Corp | USA           |
| 4 | T9S-R16E SLM<br>Section 11: W2SW, W2SW<br>Section 14: SWNE, S2, S2SE, SESE  | USA<br>UTU- 096547<br>HBP | Newfield Production Company<br>Newfield RMI LLC<br>ABO Petroleum Corp<br>MYCO Industries Inc<br>OXY Y-1 Company<br>Yates Petroleum Corp | USA           |

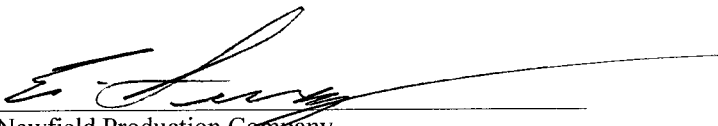
|   |  |                         |   |     |
|---|--|-------------------------|---|-----|
| 5 | T9S-R16E SLM<br>Section 23: E2, NW, E2SW, NWSW<br>Section 24: N2, SW, N2SE, SWSE | USA<br>UTU-15855<br>HBP | Newfield Production Company<br>Newfield RMI LLC<br>Bee Hive Oil LLC<br>Journey Properties LLC<br>King Oil & Gas of Texas LTD<br>Six Gold Oil LLC<br>Stone Energy Corp | USA |
|---|--|-------------------------|---|-----|

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #1-22-9-16

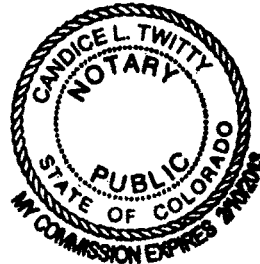
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 30<sup>th</sup> day of April, 2012.

Notary Public in and for the State of Colorado:   
My Commission Expires  
02/10/2013

My Commission Expires: \_\_\_\_\_



## Federal 1-22-9-16

Spud Date: 12-26-05  
Put on Production: 01-19-06  
GL: 5742' KB: 5754'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (315.48')  
DEPTH LANDED: 327.33' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5871.28')  
DEPTH LANDED: 5869.78' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 120'

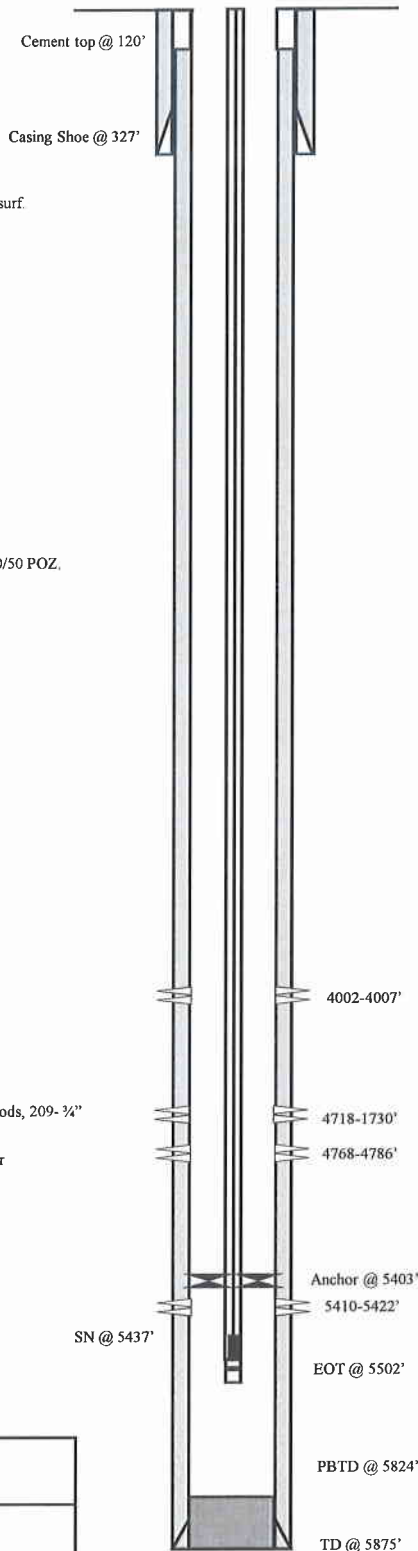
**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 170 jts (5390.80')  
TUBING ANCHOR: 5403' KB  
NO. OF JOINTS: 1 jts (31.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5437' KB  
NO. OF JOINTS: 2 jts (63.20')  
TOTAL STRING LENGTH: EOT @ 5502' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 1-8" & 1-2" 3/4" pony rods, 100- 3/4" guided rods, 209- 3/4" guided rods, 6-1 1/2" sinker bars, 6-1" Stabilizer Rods  
PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

|            |            |  |
|------------|------------|--|
| 01-16-06   | 5410-5422' | <b>Frac CP2, sands as follows:</b><br>45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.            |
| 01-16-06   | 4718-4730' | <b>Frac B2, &amp; B1 sands as follows:</b><br>124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal. |
| 01-16-06   | 4002-4007' | <b>Frac GB6 sands as follows:</b><br>23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal.           |
| 03/22/06   |            | Pump Change. Update rod and tubing details.  |
| 9-3-08     |            | Pump Change. Updated rod & tubing details.   |
| 7/21/09    |            | Tubing Leak. Updated rod & tubing details.   |
| 01/13/2011 |            | Pump Change. Rod & tubing detail updated.  |

**PERFORATION RECORD**

|          |            |        |          |
|----------|------------|--------|----------|
| 01-11-06 | 5410-5422' | 4 JSPF | 48 holes |
| 01-16-06 | 4768-4786' | 4 JSPF | 72 holes |
| 01-16-06 | 4718-4730' | 4 JSPF | 48 holes |
| 01-16-06 | 4002-4007' | 4 JSPF | 20 holes |

**NEWFIELD****Federal 1-22-9-16**

887' FNL &amp; 963' FEL

NE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32612; Lease #UTU-74392



## FEDERAL 2-22-9-16

Spud Date: 05/26/07  
 Put on Production: 07/03/07  
 GL: 5860' KB: 5872'

## Wellbore Diagram

SURFACE CASING

CSG SIZE 8-5/8"  
 GRADE J-55  
 WEIGHT 24#  
 LENGTH 7 jts (302 90')  
 DEPTH LANDED: 314 75' KB  
 HOLE SIZE 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, cir 6 bbls to surf

PRODUCTION CASING

CSG SIZE 5-1/2"  
 GRADE J-55  
 WEIGHT 15 5#  
 LENGTH 136 jts (5895 76')  
 DEPTH LANDED 5893 76' KB  
 HOLE SIZE 7-7/8"  
 CEMENT DATA 300 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
 CEMENT TOP 57' per CBL 6/25/07

TUBING (GI 7/5/11)

SIZE/GRADE/WT: 2-7/8" / J-55 / 6 5#  
 NO OF JOINTS 178 jts (5515 9')  
 TUBING ANCHOR 5528'  
 NO OF JOINTS 1 jts (31 42')  
 SEATING NIPPLE 2-7/8" (1 10')  
 SN LANDED AT: 5562 1'  
 NO OF JOINTS 1 jt (29 82')  
 PAGA: 3-1/2" (5 4')  
 NO OF JOINTS 3 jts (94 7')  
 PBGA: 2-7/8" (0 7')  
 TOTAL STRING LENGTH: EOT @ 5694'

SUCKER RODS (GI 7/5/11)

POLISHED ROD: 1-1/2" x 22' polish rod  
 SUCKER RODS 1-2", 4", 8", 8' x 3/4" pony rods, 130-3/4 4 per guided rods, 47-3/4 sucker rods, 37-3/4 4 per guided rods, 6-1 1/2 Sinkers bars, 6-1" Stabilizer rod  
 PUMP SIZE 2-1/2" x 1-1/4" x 12'x16"RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED: 5 SPM  
 PUMPING UNIT: Weatherford C-228-213-86

FRAC JOB

06/27/07 5755-5790' **Frac CP5 sands as follows:**  
 60101# 20/40 sand in 501 bbls Lightning 17  
 frac fluid Treated @ avg press of 1583 psi  
 w/avg rate of 24 7 BPM ISIP 1950 psi Calc  
 flush: 5753 gal Actual flush: 5166 gal

06/27/07 4951-4960' **Frac A.5 sands as follows:**  
 39988# 20/40 sand in 382 bbls Lightning 17  
 frac fluid Treated @ avg press of 2087 psi  
 w/avg rate of 24 7 BPM ISIP 2525 psi Calc  
 flush: 4898 gal Actual flush: 4360 gal

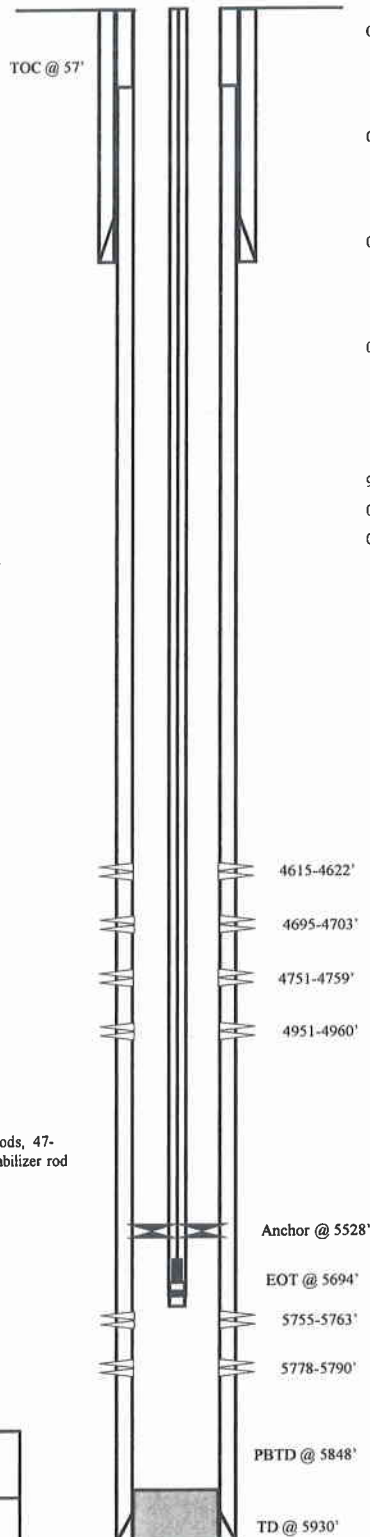
06/27/07 4695-4759' **Frac D3 & C sands as follows:**  
 57108# 20/40 sand in 466 bbls Lightning 17  
 frac fluid Treated @ avg press of 2290 psi  
 w/avg rate of 24 7 BPM ISIP 3228 psi Calc  
 flush: 4693 gal Actual flush: 4158 gal

06/29/07 4615-4622' **Frac D1 sands as follows:**  
 9646# 20/40 sand in 210 bbls Lightning 17  
 frac fluid Treated @ avg press of 2799 psi  
 w/avg rate of 24 7 BPM ISIP 1928 psi Calc  
 flush: 4613 gal Actual flush: 4536 gal

9-18-07 Pump Change Updated rod tubing details  
 05/28/08 Hole in tubing Updated rod and tubing details  
 07/06/11 Tubing leak Rods & tubing updated

PERFORATION RECORD

|          |            |        |          |
|----------|------------|--------|----------|
| 06/25/07 | 5778-5790' | 4 JSPF | 48 holes |
| 06/25/07 | 5755-5763' | 4 JSPF | 32 holes |
| 06/27/07 | 4951-4960' | 4 JSPF | 36 holes |
| 06/27/07 | 4751-4759' | 4 JSPF | 32 holes |
| 06/27/07 | 4695-4703' | 4 JSPF | 32 holes |
| 06/27/07 | 4615-4622' | 4 JSPF | 28 holes |



NEWFIELD

FEDERAL 2-22-9-16

645'FNL &amp; 1878' FEL

NW/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32958; Lease # UTU-64379

Fed. #3-22-9-16

Spud Date: 5-31-07

Put on Production: 7-4-07

GL: 5866' KB: 5878'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (287 98')

DEPTH LANDED: 299 83' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: To surface with 160 sxs Class "G" cement

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 145 jts (6357 47')

DEPTH LANDED: 5910.55' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem Lite II mixed &amp; 425 sxs 50/50 POZ

CEMENT TOP: 116'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 169 jts (5263 03')

TUBING ANCHOR: 5263' KB

NO. OF JOINTS: 1 jts (31 60')

SEATING NIPPLE: 2-7/8" (1 10')

SN LANDED AT: 5297 40' KB

NO. OF JOINTS: 2 jts (63 23')

TOTAL STRING LENGTH: EOT @ 5362' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rods

SUCKER RODS: 1-8", 1-6", 1-4", 1-2", x 3/2" ponies, 99-3/4" guided rods, 86-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" weight rods

PUMP SIZE: CDI 2 1/2" x 1 1/2" x 12" x 15" RHAC pump w/sin plunger

STROKE LENGTH: 86"

PUMP SPEED: SPM: 5

FRAC JOB

6/29/07 5313-5320' RU BJ & frac LODC sds as follows:  
40,796# 20/40 sand in 411 bbls of Lightning 17 frac fluid. Treated @  
ave pressure of 3412 w/ ave rate of 22.2 bpm w/ 6.5 ppg of sand. ISIP  
was 3327. Actual flush: 4830 gals

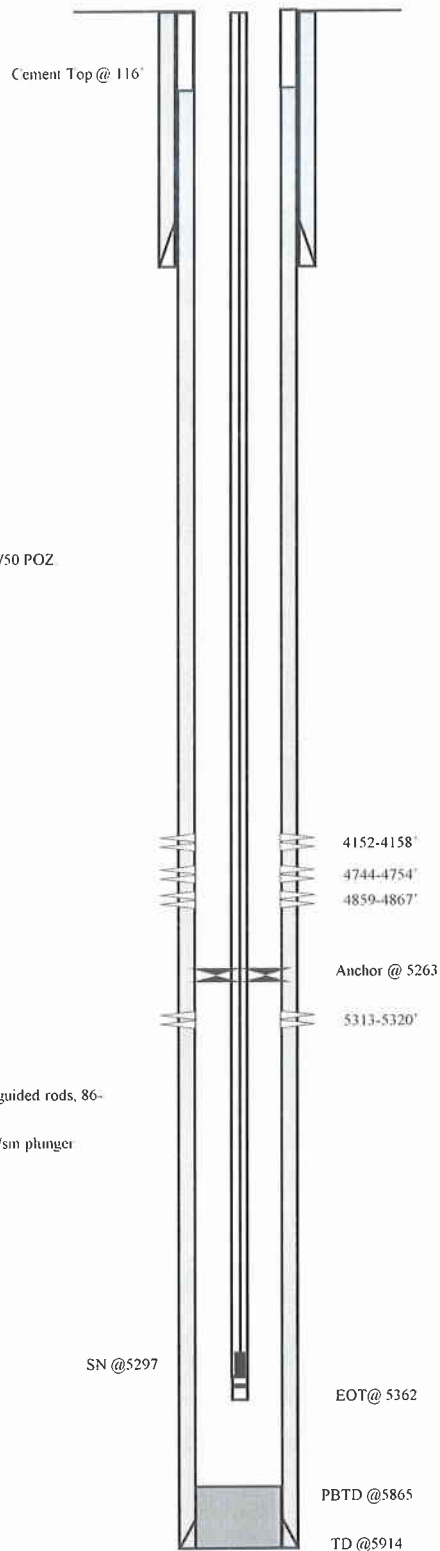
6/29/07 4859-4867' RU BJ & frac stage #2 as follows:  
34,536#s of 20/40 sand in 354 bbls of Lightning 17 frac fluid. Treated  
@ ave pressure of 3900 w/ ave rate of 22.1 bpm w/ 6.5 ppg of sand.  
ISIP was 4200. Actual flush: 2646 gals

6/29/07 4744-4754' RU BJ & frac stage #3 as follows:  
34,902#s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Treated  
@ ave pressure of 2527 w/ ave rate of 27.6 bpm w/ 6.5 ppg of sand.  
1144 bbls EWTR. ISIP was 1925. Actual flush: 4242 gals

6/29/07 4152-4158' RU BJ & frac stage #4 as follows:  
44,919#s of 20/40 sand in 372 bbls of Lightning 17 frac fluid. Treated  
@ ave pressure of 2360 w/ ave rate of 24.7 bpm w/ 8 ppg of sand.  
1517 bbls EWTR. ISIP was 1900. Actual flush: 5996 gals

12/21/09

Parted Rods. Rod &amp; Tubing updated

PERFORATION RECORD

|          |            |        |          |
|----------|------------|--------|----------|
| 06/29/07 | 5313-5320' | 4 JSPF | 28 holes |
| 06/29/07 | 4859-4867' | 4 JSPF | 32 holes |
| 06/29/07 | 4744-4754' | 4 JSPF | 40 holes |
| 06/29/07 | 4152-4158' | 4 JSPF | 24 holes |



Federal 3-22-9-16

683' FNL &amp; 2079' FWL (NE/NW)

Section 22, T9S, R16E

Duchesne Co, Utah

API #43-013-33024; Lease # UTU-64379

TW 05/06/10

## Federal 7-22-9-16

Spud Date: 3/12/08  
Put on Production: 04/23/08  
GL: 5818' KB: 5880'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 8 jts (323.72')  
DEPTH LANDED: 336'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 141 jts (5930.89')  
HOLE SIZE: 7-7/8"  
DEPTH LANDED: 5944'  
CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 146'

TUBING

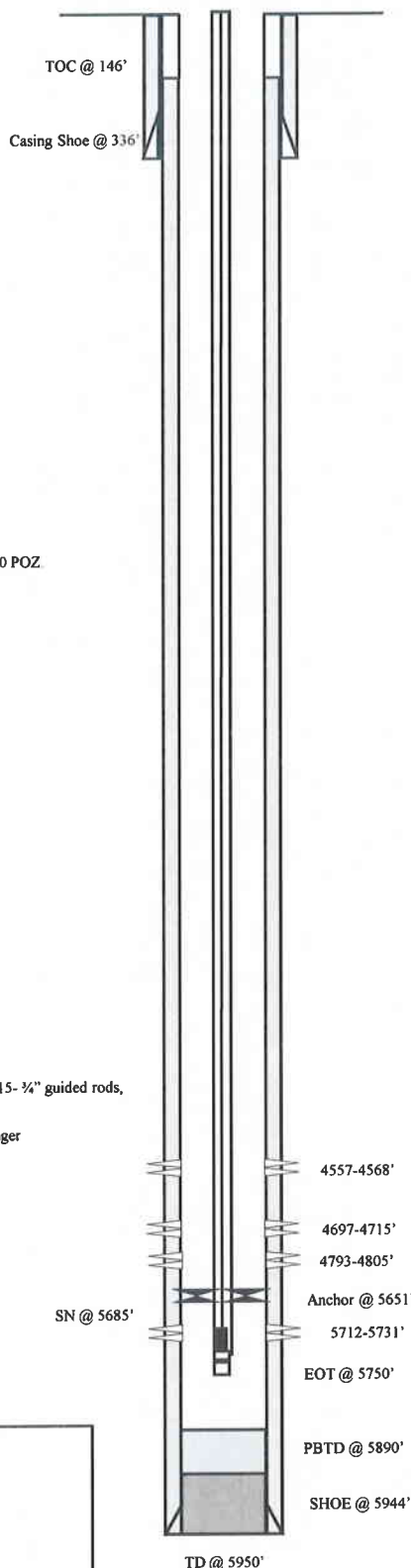
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 183 jts (5639.3')  
TUBING ANCHOR: 5651.2'  
NO. OF JOINTS: 1 jts (31.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5685.4' KB  
NO. OF JOINTS: 2 jts (62.90')  
TOTAL STRING LENGTH: EOT @ 5750' w/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS: 1-2' x 3/4" pony rod, 1-4' x 3/4" pony rod, 115- 3/4" guided rods, 67- 3/4" guided rods, 40- 3/4" guided rods, 6- 1 1/2" weight bars  
PUMP SIZE: 2-1/2" x 1-1/2" x 20' RHAC pump w/ SM plunger  
STROKE LENGTH: 102"  
PUMP SPEED, SPM: 5

FRAC JOB

|          |            |  |
|----------|------------|--|
| 04-17-08 | 5712-5731' | <b>Frac CP5 sands as follows:</b><br>Frac with 45958 #'s of 20/40 sand in 460 bbls of Lightning 17 fluid. Treat at an ave pressure of 1725 psi @ 23.3 BPM ISIP 1824 psi. |
| 04-17-08 | 4793-4805' | <b>Frac B1 sands as follows:</b><br>Frac with 40109 #'s of 20/40 sand in 402 bbls of Lightning 17 fluid. Treat at an ave pressure of 1811 psi @ 23.3 BPM ISIP 1936 psi.  |
| 04-17-08 | 4697-4715' | <b>Frac C sands as follows:</b><br>Frac with 109892 #'s of 20/40 sand in 801 bbls of Lightning 17 fluid. Treat at an ave pressure of 2002 psi @ 23.3 BPM ISIP 2125 psi.  |
| 04-17-08 | 4557-4568' | <b>Frac D1 sands as follows:</b><br>Frac with 52326 #'s of 20/40 sand in 490 bbls of Lightning 17 fluid. Treat at an ave pressure of 2259 psi @ 23.3 BPM ISIP 2160 psi.  |
| 04-29-08 |            | Pump change. Tubing and rod details updated.   |
| 5/8/2010 |            | Pump changed. Updated rod and tubing detail.   |

PERFORATION RECORD

|            |        |          |
|------------|--------|----------|
| 4557-4568' | 4 JSPF | 44 holes |
| 4697-4715' | 4 JSPF | 72 holes |
| 4793-4805' | 4 JSPF | 48 holes |
| 5712-5731' | 4 JSPF | 76 holes |

NEWFIELD



**Federal 7-22-9-16**  
2036' FNL & 1837' FEL  
SWNE Section 22-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33027; Lease #UTU-64379

## Federal 8-22-9-16

Spud Date: 11/01/06  
Put on Production: 12/13/06

K.B.: 5791, G.L.: 5779

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (310 68')  
DEPTH LANDED: 322 53' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

**PRODUCTION CASING**

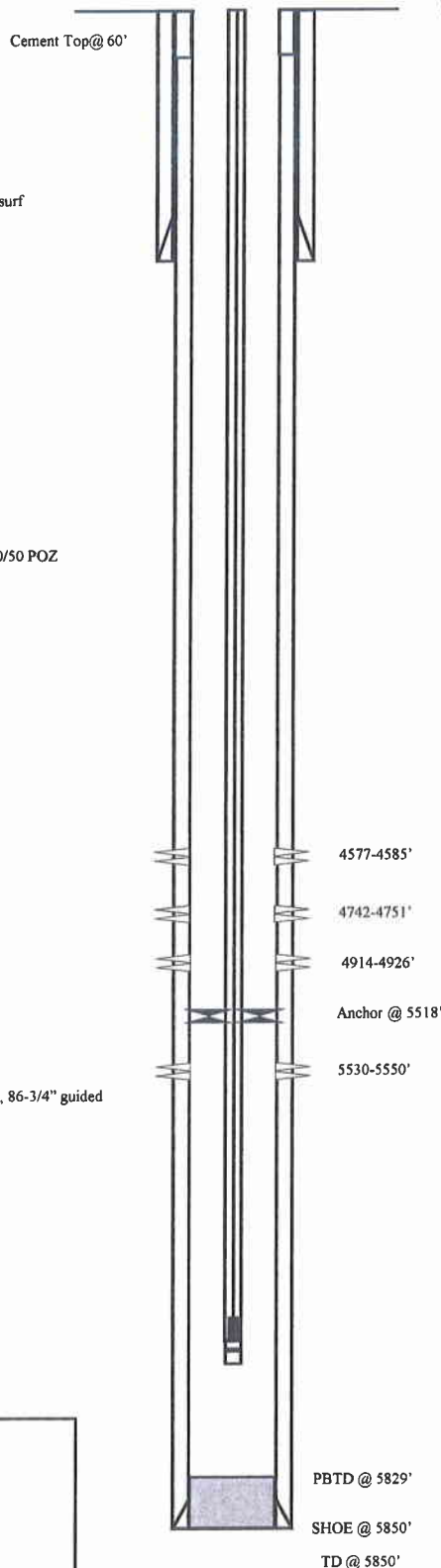
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133 jts (5837 43')  
DEPTH LANDED: 5850 68' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 322 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ  
CEMENT TOP: 60'

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 175 jts (5517 93')  
TUBING ANCHOR: 5517 90' KB  
NO OF JOINTS: 1 jts (31 70')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 5552.4' KB  
NO OF JOINTS: 2 jts (63 10')  
TOTAL STRING LENGTH: EOT @ 5617' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 2-8" x 3/4" pony rod, 100-3/4" guided rods, 86-3/4" guided rods, 30-3/4" guided rods, 6-1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC w/SM plunger  
STROKE LENGTH: 61"  
PUMP SPEED: 5 SPM

**Wellbore Diagram**

Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

|          |            |  |
|----------|------------|--|
| 12/08/06 | 5530-5550' | <b>Frac CP4, sands as follows:</b><br>30245# 20/40 sand in 381 bbls Lightning 17 frac fluid Treated @ avg press of 2020 psi w/avg rate of 25 BPM ISIP 1960 psi Calc flush: 5548 gal Actual flush: 4998 gal |
| 12/08/06 | 4914-4926' | <b>Frac A1 sands as follows:</b><br>70951# 20/40 sand in 533 bbls Lightning 17 frac fluid Treated @ avg press of 1762 psi w/avg rate of 25 BPM ISIP 2190 psi Calc flush: 4924 gal Actual flush: 4452 gal   |
| 12/08/06 | 4742-4751' | <b>Frac B2 sands as follows:</b><br>29729# 20/40 sand in 414 bbls Lightning 17 frac fluid Treated @ avg press of 2490 psi w/avg rate of 25 BPM ISIP 1950 psi Calc flush: 4749 gal Actual flush: 4242 gal   |
| 12/08/06 | 4577-4585' | <b>Frac C sands as follows:</b><br>26560# 20/40 sand in 342 bbls Lightning 17 frac fluid Treated @ avg press of 2804 psi w/avg rate of 25 BPM ISIP psi Calc flush: 4583 gal Actual flush: 4242 gal         |
| 07/16/10 |            | Pump Change Rod & Tubing detail  |

**PERFORATION RECORD**

|          |            |        |          |
|----------|------------|--------|----------|
| 12/05/06 | 5530-5550' | 4 JSPF | 80 holes |
| 12/08/06 | 4914-4926' | 4 JSPF | 48 holes |
| 12/08/06 | 4742-4751' | 4 JSPF | 36 holes |
| 12/08/06 | 4577-4585' | 4 JSPF | 32 holes |

**NEWFIELD****Federal 8-22-9-16**

2200' FNL &amp; 618' FEL

SE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32959; Lease #UTU-64379

TW 09/14/10

## Federal 9-22-9-16

Spud Date: 4-19-2007  
Put on Production: 6-08-2007

GL: 5803' KB: 5815'

**SURFACE CASING**

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (309 25')  
DEPTH LANDED 322 91' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 133 jts (5855 48')  
DEPTH LANDED 5852 48' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
CEMENT TOP AT 68'

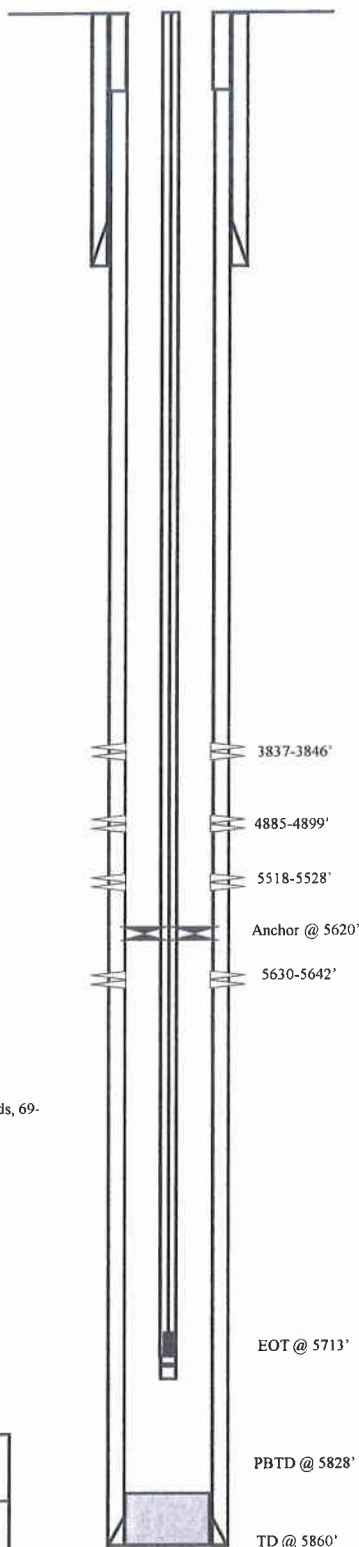
**TUBING**

SIZE/GRADE/WT 2-7/8" / J-55  
NO OF JOINTS 182 jts (5608 ')  
TUBING ANCHOR 5620'  
NO OF JOINTS 1 jts (28 32')  
SEATING NIPPLE 2-7/8" (1 10')  
SN LANDED AT 5651'  
NO OF JOINTS 2 jts (60 92')  
TOTAL STRING LENGTH EOT @ 5713'

**SUCKER RODS**

POLISHED ROD 1-1/2" x 26'  
SUCKER RODS 1-2", 4", 6" x 8' X 3/4" pony rods, 99- 1/4" guided rods, 69- 1/4" sucker rods, 50- 3/4" guided rods, 6- 1 1/2" sinker bars,  
PUMP SIZE 2-1/2" x 1-1/4" x 16" x 22" RHAC  
STROKE LENGTH 120"  
PUMP SPEED, SPM 5 SPM

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

|          |            |   |
|----------|------------|---|
| 06-05-07 | 5630-5642' | <b>Frac CP5 sands as follows:</b><br>39984# 20/40 sand in 405 bbls Lightning 17 frac fluid Treated @ avg press of 1953 psi w/avg rate of 24.7 BPM ISIP 2165 psi Calc flush: 5328 gal Actual flush: 5208 gal |
| 06-05-07 | 5518-5528' | <b>Frac CP4 sands as follows:</b><br>25037# 20/40 sand in 336 bbls Lightning 17 frac fluid Treated @ avg press of 2283 psi w/avg rate of 24.7 BPM ISIP 2241 psi Calc flush: 5516 gal Actual flush: 4998 gal |
| 06-05-07 | 4885-4899' | <b>Frac A1 sands as follows:</b><br>59792# 20/40 sand in 485 bbls Lightning 17 frac fluid Treated @ avg press of 1701 psi w/avg rate of 24.7 BPM ISIP 2240 psi Calc flush: 4883 gal Actual flush: 4368 gal  |
| 06-05-07 | 3837-3846' | <b>Frac GB2 sands as follows:</b><br>35741# 20/40 sand in 345 bbls Lightning 17 frac fluid Treated @ avg press of 1806 w/ avg rate of 24.7 BPM ISIP 2950 psi Calc flush: 3835 gal Actual flush: 3738 gal    |
| 12-13-07 |            | Pump Change Updated rod & tubing details  |
| 1-30-08  |            | Pump Change Updated rod & tubing details  |
| 8-29-08  |            | Pump Change Updated rod & tubing details  |
| 1/23/09  |            | Pump Change Updated r & t details   |
| 10/05/11 |            | Pump Change Rods & tubing updated   |

**PERFORATION RECORD**

|          |            |        |          |
|----------|------------|--------|----------|
| 05-30-07 | 5630-5642' | 4 JSPF | 48 holes |
| 06-05-07 | 5518-5528' | 4 JSPF | 40 holes |
| 06-05-07 | 4885-4899' | 4 JSPF | 96 holes |
| 06-05-07 | 3837-3846' | 4 JSPF | 36 holes |

NEWFIELD

Federal 9-22-9-16

2079' FSL &amp; 668' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33175; Lease # UTU-74392

TW 10/10/11

# Federal 4-23-9-16

Attachment E-6

Spud Date: 01-09-08  
Put on Production: 3-10-08  
GL: 5716' KB: 5728'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (312.55')  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133jts (5715.22')  
HOLE SIZE: 7-7/8"  
DEPTH LANDED: 5728.47'  
CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP AT: 134'

### TUBING

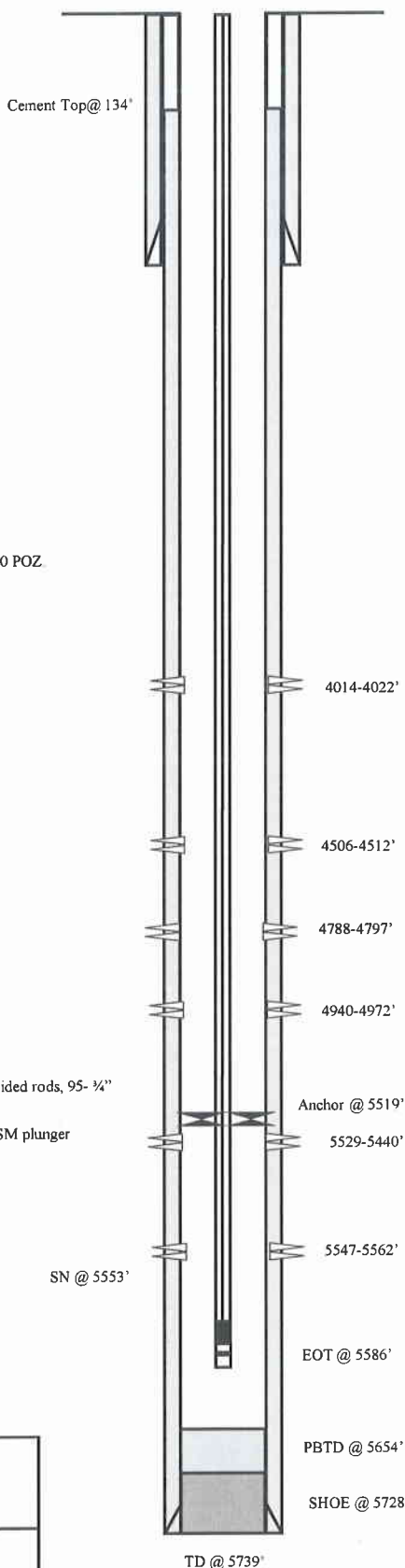
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 175 jts (5507.16')  
TUBING ANCHOR: 5519.16'  
NO. OF JOINTS: 1 jts (31.39')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5553.35' KB  
NO. OF JOINTS: 1 jts (31.48')  
TOTAL STRING LENGTH: EOT @ 5586.38' w/12' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS: 1-6', 1-4' & 1-2' X 3/4" ponies, 100-3/4" guided rods, 95- 3/4" plain rods, 20-3/4" guided rods, 6- 1 1/2" weighted bars  
PUMP SIZE: 2-1/2" x 1-1/2" x 12" X 15.5' RHAC pump w/ SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 4

### FRAC JOB

|         |            |  |
|---------|------------|--|
| 2-29-08 | 5547-5562' | <b>Frac CP4 sands as follows:</b><br>Frac with 40523# 20/40 sand in 434 bbls Lightning 17 fluid. Treat at an ave pressure of 1786 psi @ 23.2 BPM. ISIP 1970 psi.     |
| 2-29-08 | 5429-5440' | <b>Frac CP2 sands as follows:</b><br>Frac with 20386 # 20/40 sand in 333 bbls Lightning 17 fluid. Treat at an ave pressure of 1963 psi @ 25 BPM. ISIP 1840 psi.      |
| 2-29-08 | 4940-4972' | <b>Frac A1 sands as follows:</b><br>Frac with 120556 #'s 20/40 sand in 869 bbls Lightning 17 fluid. Treat at an ave pressure of 1845 psi @ 24.5 BPM. ISIP 2105 psi.  |
| 2-29-08 | 4788-4797' | <b>Frac B2 sand as follows:</b><br>Frac with 50665 #'s of 20/40 sand in 450 bbls Lightning 17 fluid. Treat at an ave pressure of 1990 psi @ 24.5 BPM. ISIP 1945 psi. |
| 2-29-08 | 4506-4512' | <b>Frac D1 sands as follows:</b><br>Frac with 15200 #'s 20/40 sand in 259 bbls Lightning 17 fluid. Treat at an ave pressure of 1942 psi @ 24.3 BPM. ISIP 1825 psi.   |
| 2-29-08 | 4014-4022' | <b>Frac GB6 sands as follows:</b><br>Frac with 40122 #'s 20/40 sand in 384 bbls Lightning 17 fluid. Treat at an ave pressure of 2036 psi @ 24.3 BPM. ISIP 1880 psi.  |



### PERFORATION RECORD

|            |        |           |
|------------|--------|-----------|
| 4014-4022' | 4 JSPF | 32 holes  |
| 4506-4512' | 4 JSPF | 24 holes  |
| 4788-4797' | 4 JSPF | 36 holes  |
| 4940-4972' | 4 JSPF | 128 holes |
| 5429-5440' | 4 JSPF | 44 holes  |
| 5547-5562' | 4 JSPF | 60 holes  |

**NEWFIELD**



**Federal 4-23-9-16**  
499' FNL & 685' FWL  
NWNW Section 23-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33177; Lease #UTU-15855

## Federal 5-23-9-16

Spud Date: 1/17/08  
Put on Production: 3-5-08  
GL: 5749' KB: 5761'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (311 39')  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146 jts (5781 03')  
HOLE SIZE: 7-7/8"  
DEPTH LANDED: 5814 84'  
CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP AT: 100'

TUBING

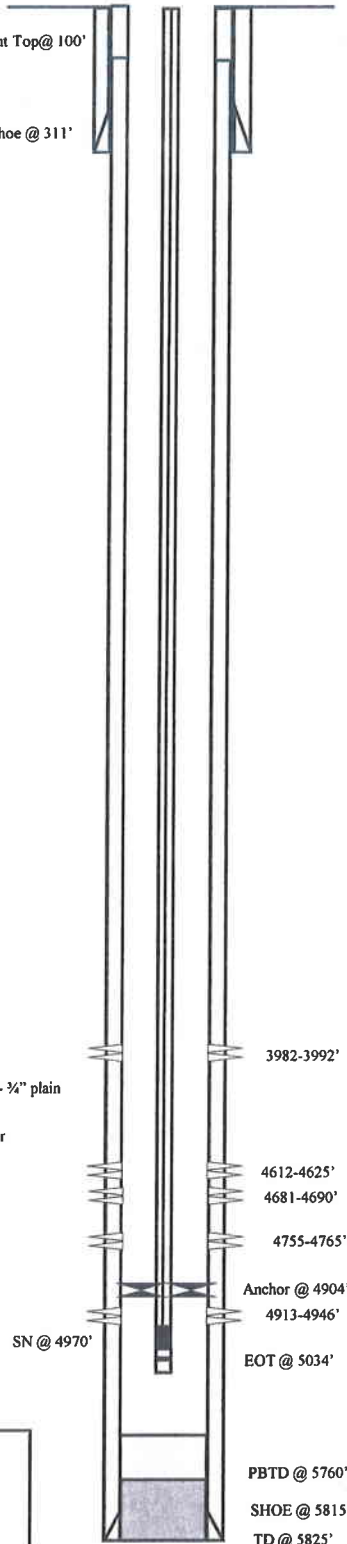
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 154 jts (4892.46')  
TUBING ANCHOR: 4904 46'  
NO OF JOINTS: 2 jts (63 04')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 4970 31' KB  
NO OF JOINTS: 2 jts (62.64')  
TOTAL STRING LENGTH: EOT @ 5034 50' w/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS: 1-6' & 1-2' X 3/4" pony rods, 99- 3/4" guided rods, 73- 3/4" plain rods, 20- 3/4" guided rods, 6- 1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' X 19.5' RHAC pump w/ SM plunger  
STROKE LENGTH: 120"  
PUMP SPEED, SPM: 4.5

FRAC JOB

|         |            |   |
|---------|------------|---|
| 2-27-08 | 4913-4946' | <b>Frac A1 sands as follows:</b><br>Frac with 160392 #'s of 20/40 sand in 1152 bbls Lightning 17 fluid. Treat at an ave pressure of 1802 psi @ 23.2 BPM ISIP 2132 psi   |
| 2-27-08 | 4755-4765' | <b>Frac B2 sands as follows:</b><br>Frac with 40119 #'s of 20/40 sand in 422 bbls Lightning 17 fluid. Treat at an ave pressure of 1740 psi @ 23.2 BPM ISIP 1900 psi     |
| 2-27-08 | 4681-4690' | <b>Frac B.5 sands as follows:</b><br>Frac with 15432 #'s of 20/40 sand in 275 bbls Lightning 17 fluid. Treat at an ave pressure of 2350 psi @ 23.3 BPM ISIP 1943 psi    |
| 2-27-08 | 4612-4625' | <b>Frac C sand as follows:</b><br>Frac with 60639 #'s of 20/40 sand in 500 bbls of Lightning 17 fluid. Treat at an ave pressure of 2137 psi @ 23.2 BPM ISIP 2346 psi    |
| 2-27-08 | 3982-3992' | <b>Frac GB6 sands as follows:</b><br>Frac with 46568 #'s of 20/40 sand in 418 bbls of Lightning 17 fluid. Treat at an ave pressure of 1726 psi @ 23.3 BPM ISIP 1825 psi |
| 1/24/09 |            | Pump Change Updated r & t details   |

PERFORATION RECORD

|            |        |           |
|------------|--------|-----------|
| 3982-3992' | 4 JSPF | 40 holes  |
| 4612-4625' | 4 JSPF | 52 holes  |
| 4681-4690' | 4 JSPF | 36 holes  |
| 4755-4765' | 4 JSPF | 40 holes  |
| 4913-4946' | 4 JSPF | 132 holes |

NEWFIELD



**Federal 5-23-9-16**  
2125' FNL & 595' FWL  
SWNW Section 23-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32960; Lease #UTU-15855



## Jonah Federal 13-14-9-16

Spud Date: 5/21/05  
Put on Production: 7/1/05  
GL: 5758' KB 5780'

SURFACE CASING

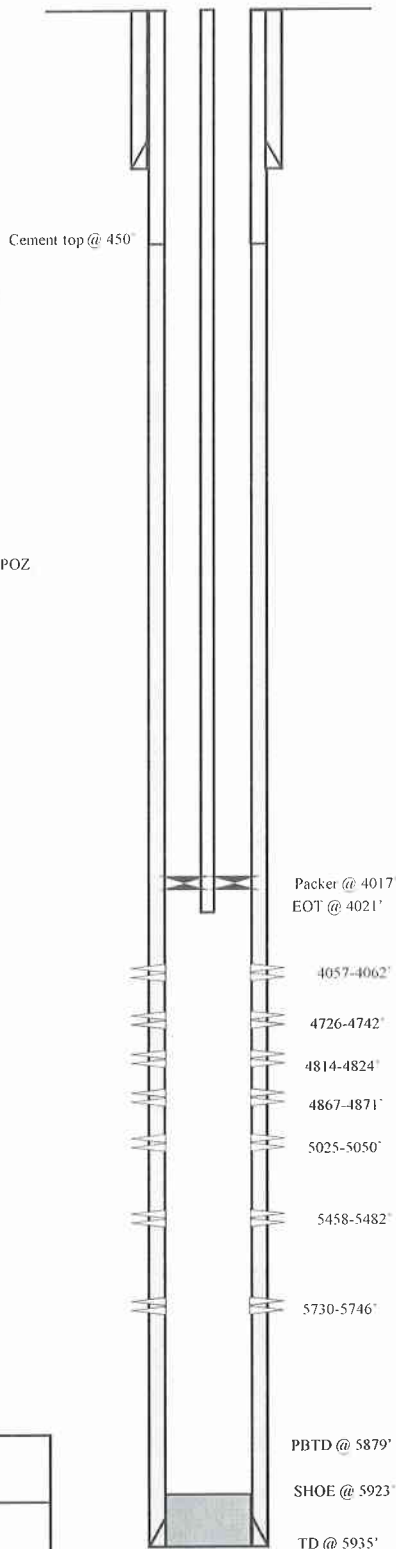
CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (303 95')  
DEPTH LANDED 313 95' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 137 jts (5925 19')  
DEPTH LANDED 5923 19' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP AT 450'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 123 jts (4001 11')  
SN LANDED AT 1.10' @ 4014.21'  
CE @ 4017.51'  
TOTAL STRING LENGTH EOT @ 4021.58' w/12' KB

Injection Wellbore  
Diagram

Initial Production: 171 BOPD,  
14 MCFD, 151 BWPD

FRAC JOB

|          |            |   |
|----------|------------|---|
| 6-27-05  | 5730-5746' | <b>Frac CP5 sands as follows:</b><br>58406# 20/40 sand in 503 bbls Lightning 17<br>frac fluid Treated @ avg press of 1678 psi<br>w/avg rate of 25 BPM ISIP 2200 psi Calc<br>flush 5728 gal Actual flush: 5712 gal           |
| 6-27-05  | 5458-5482' | <b>Frac CP1 sands as follows:</b><br>78805# 20/40 sand in 609 bbls Lightning 17<br>frac fluid Treated @ avg press of 1654 psi<br>w/avg rate of 24.7 BPM ISIP 2400 psi Calc<br>flush 5456 gal Actual flush: 5462 gal         |
| 6-27-05  | 5025-5050' | <b>Frac A1/A3 sands as follows:</b><br>108479# 20/40 sand in 876 bbls Lightning 17<br>frac fluid Treated @ avg press of 1560 psi<br>w/avg rate of 24.7 BPM ISIP 2300 psi Calc<br>flush 5023 gal Actual flush: 5082 gal      |
| 6-27-05  | 4814-4871' | <b>Frac B2 &amp; B1 sands as follows:</b><br>43548# 20/40 sand in 339 bbls Lightning 17<br>frac fluid Treated @ avg press of 1606 psi<br>w/avg rate of 24.6 BPM ISIP 2150 psi Calc<br>flush 4812 gal Actual flush: 4872 gal |
| 6-27-05  | 4726-4742' | <b>Frac C sands as follows:</b><br>68949# 20/40 sand in 538 bbls Lightning 17<br>frac fluid Treated @ avg press of 1590 psi<br>w/avg rate of 24.5 BPM ISIP 2100 psi Calc<br>flush 4724 gal Actual flush: 4704 gal           |
| 6-27-05  | 4057-4062' | <b>Frac GB4 sands as follows:</b><br>12976# 20/40 sand in 203 bbls Lightning 17<br>frac fluid Treated @ avg press of 1956 psi<br>w/avg rate of 24.7 BPM ISIP 1850 psi Calc<br>flush 4055 gal Actual flush: 4704 gal         |
| 07/07/06 |            | <b>Pump Change:</b> Updated rod and tbg detail  |
| 01-09-07 |            | <b>Pump Change:</b> Updated rod and tbg detail  |
| 10/20/08 |            | <b>Convert to Injection well</b>  |
| 10/24/08 |            | <b>MIT Completed - tbg detail updated</b>   |

PERFORATION RECORD

|         |            |        |           |
|---------|------------|--------|-----------|
| 6-22-05 | 5730-5746' | 4 JSPF | 64 holes  |
| 6-27-05 | 5458-5482' | 4 JSPF | 96 holes  |
| 6-27-05 | 5025-5050' | 4 JSPF | 100 holes |
| 6-27-05 | 4867-4871' | 4 JSPF | 16 holes  |
| 6-27-05 | 4814-4824' | 4 JSPF | 40 holes  |
| 6-27-05 | 4726-4742' | 4 JSPF | 64 holes  |
| 6-27-05 | 4057-4062' | 4 JSPF | 20 holes  |

**Jonah Federal 13-14-9-16**

484' FSL & 688' FWL

SW/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32696, Lease #UTU-096547



## Jonah Federal 9-15-9-16

Spud Date: 6-1-05  
 Put on Production: 7-7-05  
 GL: 5698' KB: 5710'

Initial Production: 77 BOPD.  
 11 MCFD, 59 BWPD

Injection Wellbore  
DiagramSURFACE CASING

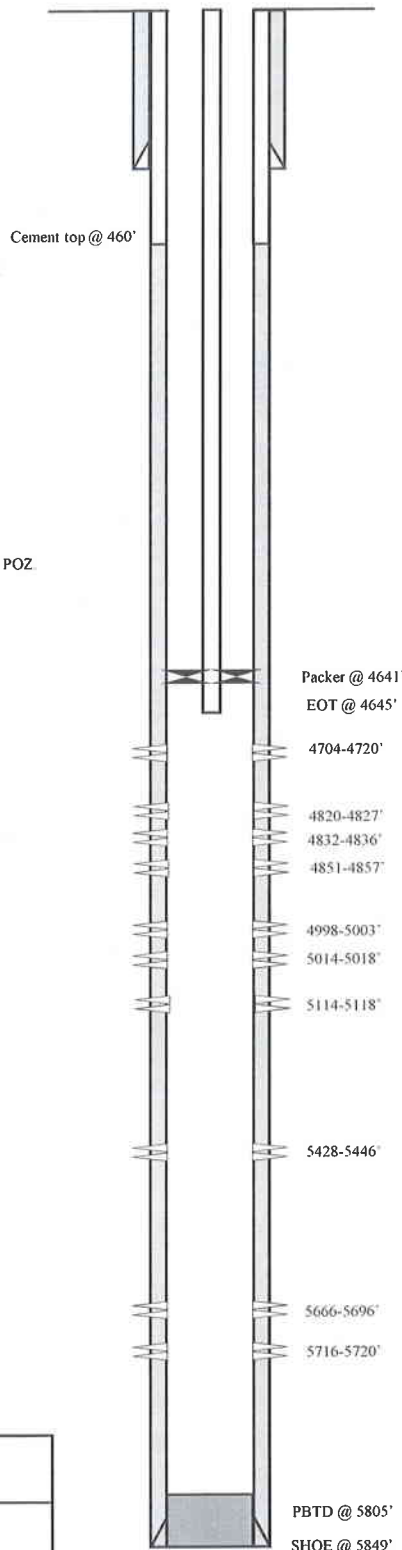
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (302.72')  
 DEPTH LANDED: 314.57' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt. est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jnts (5836.02')  
 DEPTH LANDED: 5849.27' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 460'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 148 jnts (4436.14')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4636.14' KB  
 TOTAL STRING LENGTH: EOT @ 4644.69' KB

FRAC JOB

|          |            |  |
|----------|------------|--|
| 6-30-05  | 5666-5696' | <b>Frac CP5 &amp; CP4 sands as follows:</b><br>70165# 20/40 sand in 559 bbls Lightning 17 frac fluid Treated @ avg press of 1230 psi w/avg rate of 24.5 BPM ISIP 1800 psi. Calc flush 5664 gal Actual flush 5670 gal |
| 6-30-05  | 5428-5446' | <b>Frac CPI sands as follows:</b><br>57169# 20/40 sand in 486 bbls Lightning 17 frac fluid Treated @ avg press of 1346 psi w/avg rate of 24.5 BPM ISIP 1900 psi. Calc flush 5426 gal Actual flush 5418 gal           |
| 7-1-05   | 4998-5118' | <b>Frac LODC, A1, A3 sands as follows:</b><br>34026# 20/40 sand in 343 bbls Lightning 17 frac fluid Treated @ avg press of 1820 psi w/avg rate of 24.5 BPM ISIP 2500 psi. Calc flush 5996 gal Actual flush 4738 gal  |
| 7-1-05   | 4820-4857' | <b>Frac B2 sands as follows:</b><br>49623# 20/40 sand in 426 bbls Lightning 17 frac fluid Treated @ ave pressure of 1590 24.5 BPM ISIP 2000 psi. Calc flush 4818 gal Actual flush: 4578 gal.                         |
| 7-1-05   | 4704-4720' | <b>Frac C sands as follows:</b><br>88671# 20/40 sand in 632 bbls Lightning 17 frac fluid 24.5 BPM Treated @ ave pressure of 1714 ISIP 2000 psi. Calc flush: 4402 gal Actual flush: 4607 gal                          |
| 11/14/06 |            | <b>Well converted to an Injection well.</b>  |
| 11/21/06 |            | <b>MIT completed and submitted.</b>  |

PERFORATION RECORD

|         |            |        |           |
|---------|------------|--------|-----------|
| 6-24-05 | 5666-5696' | 4 JSPF | 120 holes |
| 6-24-05 | 5716-5720' | 4 JSPF | 16 holes  |
| 6-30-05 | 5428-5446' | 4 JSPF | 72 holes  |
| 6-30-05 | 5114-5118' | 4 JSPF | 16 holes  |
| 6-30-05 | 5014-5018' | 4 JSPF | 16 holes  |
| 6-30-05 | 4998-5003' | 4 JSPF | 20 holes  |
| 7-1-05  | 4851-4857' | 4 JSPF | 24 holes  |
| 7-1-05  | 4832-4836' | 4 JSPF | 16 holes  |
| 7-1-05  | 4820-4827' | 4 JSPF | 28 holes  |
| 7-1-05  | 4704-4720' | 4 JSPF | 64 holes  |



## Jonah Federal 9-15-9-16

1724' FSL &amp; 782' FEL

NE/SE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-32683; Lease #UTU-017985

## Jonah Federal 16-15-9-16

Spud Date: 12/28/05  
Put on Production: 02/02/06  
GL: 5704' KB: 5716'

## Wellbore Diagram

Initial Production: BOPD  
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (315.16')  
DEPTH LANDED: 327.01' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 136 jts (5818.63')  
DEPTH LANDED: 5817.88' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem Lite II mixed & 450 sxs 50/50 POZ  
CEMENT TOP: 150'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
NO OF JOINTS: 170 jts (5415.7')  
TUBING ANCHOR: 5427.7  
NO OF JOINTS: 1 jts (31.7')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5462.2'  
NO OF JOINTS: 2 jts (64.4')  
TOTAL STRING LENGTH: EOT @ 5528'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22"  
SUCKER RODS: 3-2" x 3/4" pony rods, 212-3/4" guided rods, 6-1 1/2" weight bars  
PUMP SIZE: 2-1/2" x 1-3/4" x 16" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5

FRAC JOB

01/25/06 5400-5410' **Frac C P1 sands as follows:**  
14789# 20/40 sand in 255 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 25.1 BPM. ISIP 1850 psi. Calc flush: 5398 gal. Actual flush: 4872 gal.

01/25/06 4985-4994' **Frac A3 sands as follows:**  
18508# 20/40 sand 284 bbls Lightning 17 frac fluid. Treated @ avg press of 1845 psi w/avg rate of 25.1 BPM. ISIP 1870 psi. Calc flush: 4983 gal. Actual flush: 4992 gal.

01/25/06 4808-4814' **Frac B2 sands as follows:**  
23613# 20/40 sand in 319 bbls Lightning 17 frac fluid. Treated @ avg press of 2375 psi w/avg rate of 25.1 BPM. ISIP 2600 psi. Calc flush: 4806 gal. Actual flush: 4284 gal.

01/25/06 4672-4680' **Frac C sands as follows:**  
61018# 20/40 sand in 480 bbls Lightning 17 frac fluid. Treated @ avg press of 2005 psi w/avg rate of 25 BPM. ISIP 2240 psi. Calc flush: 4670 gal. Actual flush: 4116 gal.

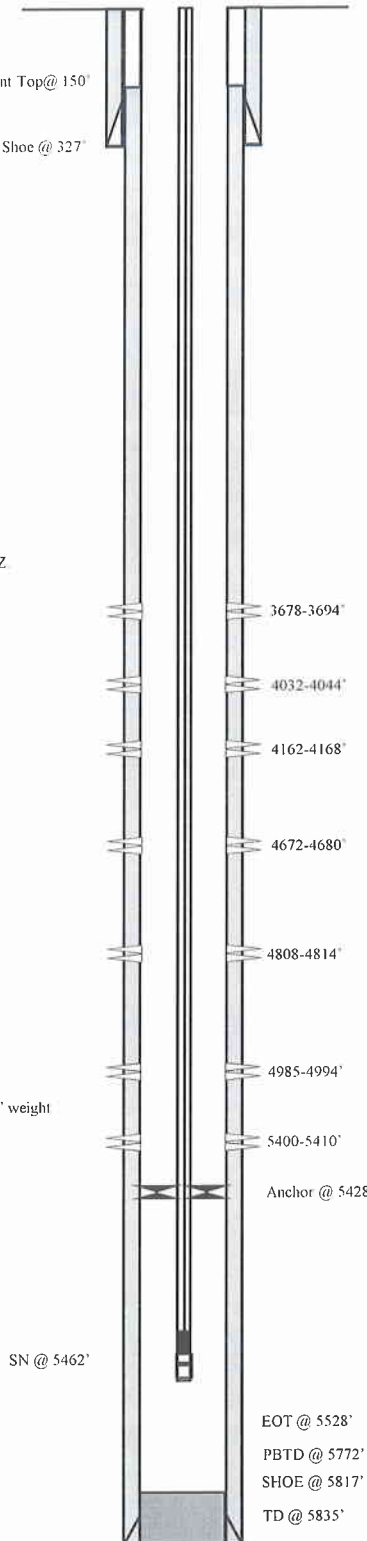
01/25/06 4032-4044' **Frac PB8, GB6 sands as follows:**  
29328# 20/40 sand in 330 bbls Lightning 17 frac fluid. Treated @ avg press of 1813 psi w/avg rate of 25.1 BPM. ISIP 1835 psi. Calc flush: 4030 gal. Actual flush: 3486 gal.

01/25/06 3678-3694' **Frac GG sands as follows:**  
48534# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1700 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush: 3676 gal. Actual flush: 3570 gal.

06-26-06 **Parted Rods:** Update rod and tubing details.  
11-27-06 **Pump Change:** Updated rod and tubing detail  
9-12-07 **Pump change** Updated rod & tubing details  
04/17/08 **Pump change** Updated rod & tubing details  
12/11/09 **Tubing leak.** Updated rod and tubing details

PERFORATION RECORD

| Date     | Interval   | Tool   | Holes    |
|----------|------------|--------|----------|
| 01/18/06 | 5400-5410' | 4 JSPF | 40 holes |
| 01/25/06 | 4985-4994' | 4 JSPF | 36 holes |
| 01/25/06 | 4808-4814' | 4 JSPF | 24 holes |
| 01/25/06 | 4672-4680' | 4 JSPF | 32 holes |
| 01/25/06 | 4162-4168' | 4 JSPF | 24 holes |
| 01/25/06 | 4032-4044' | 4 JSPF | 48 holes |
| 01/25/06 | 3678-3694' | 4 JSPF | 64 holes |



## Jonah Federal 16-15-9-16

512' FSL &amp; 535' FEL

SE/SE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-32754; Lease #UTU-17985

## Jonah 15-15-9-16

Spud Date: 01/07/06  
 Put on Production: 02/07/06  
 GL: 5758' KB: 5770'

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (311 55')  
 DEPTH LANDED: 323 40" KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cement, est 3 bbls cement to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (5874 99')  
 DEPTH LANDED: 5874 24" KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ  
 CEMENT TOP @ 130

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
 NO. OF JOINTS: 123 jts (4000 93')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 4014 03"  
 TOTAL STRING LENGTH: EOT @ 4021 42'

Injection Wellbore  
Diagram

CEMENT TOP @ 130

Packer @ 4017'  
 EOT @ 4021'

PBTD @ 5824'

SHOE @ 5874'

TD @ 5885'

Initial Production: BOPD.  
 MCFD, BWPD

FRAC JOB

|          |             |   |
|----------|-------------|---|
| 01/31/06 | 5678-5722'  | <b>Frac CP4, CP5 sands as follows:</b><br>30113# 20/40 sand in 388 bbls Lightning 17 frac fluid. Treated @ avg press of 1859 psi w/avg rate of 25.2 BPM. ISIP 2050 psi. Calc flush: 5676 gal. Actual flush: 5141 gal. |
| 01/31/06 | 5481-5494'  | <b>Frac CP2 sands as follows:</b><br>50320# 20/40 sand in 436 bbls Lightning 17 frac fluid. Treated @ avg press of 1616 psi w/avg rate of 25.2 BPM. ISIP 1900 psi. Calc flush: 5479 gal. Actual flush: 4872 gal.      |
| 01/31/06 | 4978-4983'  | <b>Frac A3 sands as follows:</b><br>19771# 20/40 sand in 295 bbls Lightning 17 frac fluid. Treated @ avg press of 2420 psi w/avg rate of 25.3 BPM. ISIP 2150 psi. Calc flush: 4976 gal. Actual flush: 4452 gal.       |
| 01/31/06 | 4818-4835'  | <b>Frac B2 sands as follows:</b><br>25033# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg press of 1958 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 4816 gal. Actual flush: 4284 gal.         |
| 01/31/06 | 4646-4657'  | <b>Frac D3, C, sands as follows:</b><br>98438# 20/40 sand in 701 bbls Lightning 17 frac fluid. Treated @ avg press of 2161 psi w/avg rate of 25.1 BPM. ISIP 2300 psi. Calc flush: 4644 gal. Actual flush: 4074 gal.   |
| 02/01/06 | 4186-4190'  | <b>Frac PB7 sands as follows:</b><br>19753# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2643 psi w/avg rate of 24.8 BPM. ISIP 2650 psi. Calc flush: 4184 gal. Actual flush: 3654 gal.      |
| 02/01/06 | 4053-4059'  | <b>Frac GB6 sands as follows:</b><br>17961# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 2240 psi w/avg rate of 25 BPM. ISIP 1900 psi. Calc flush: 4051 gal. Actual flush: 3948 gal.        |
| 04/13/07 | Pump Change | Update Rod & Tubing   |
| 7/30/07  |             | Pump change. Updated rod & tubing detail.   |
| 05-21-08 |             | Workover. Updated rod and tubing detail   |
| 10/16/08 |             | Well converted to an Injection well.  |
| 10/28/08 |             | MIT completed and submitted.  |

PERFORATION RECORD

|          |            |        |          |
|----------|------------|--------|----------|
| 01/27/06 | 5716-5722' | 4 JSPF | 24 holes |
| 01/27/06 | 5678-5685' | 4 JSPF | 28 holes |
| 01/31/06 | 5481-5494' | 4 JSPF | 52 holes |
| 01/31/06 | 4978-4983' | 4 JSPF | 20 holes |
| 01/31/06 | 4830-4835' | 4 JSPF | 20 holes |
| 01/31/06 | 4818-4828' | 4 JSPF | 20 holes |
| 01/31/06 | 4700-4708' | 4 JSPF | 32 holes |
| 01/31/06 | 4646-4657' | 4 JSPF | 44 holes |
| 01/31/06 | 4186-4190' | 4 JSPF | 16 holes |
| 02/01/06 | 4053-4059' | 4 JSPF | 24 holes |



Jonah 15-15-9-16

421' FSL &amp; 1864' FEL

SW/SE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-32753; Lease #UTU-17985



## Jonah Fed Q-14-9-16

Spud Date 12/6/2008  
Put on Production 1/26/2009

GL: 5760' KB: 5772'

SURFACE CASING

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (315')  
DEPTH LANDED 327 16' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sx class 'g'

PRODUCTION CASING

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 160 jts (6351 71')  
DEPTH LANDED 6164 10'  
HOLE SIZE 7-7/8"  
CEMENT DATA 275 sx primlite and 400 sx 50/50 poz  
CEMENT TOP AT 148'

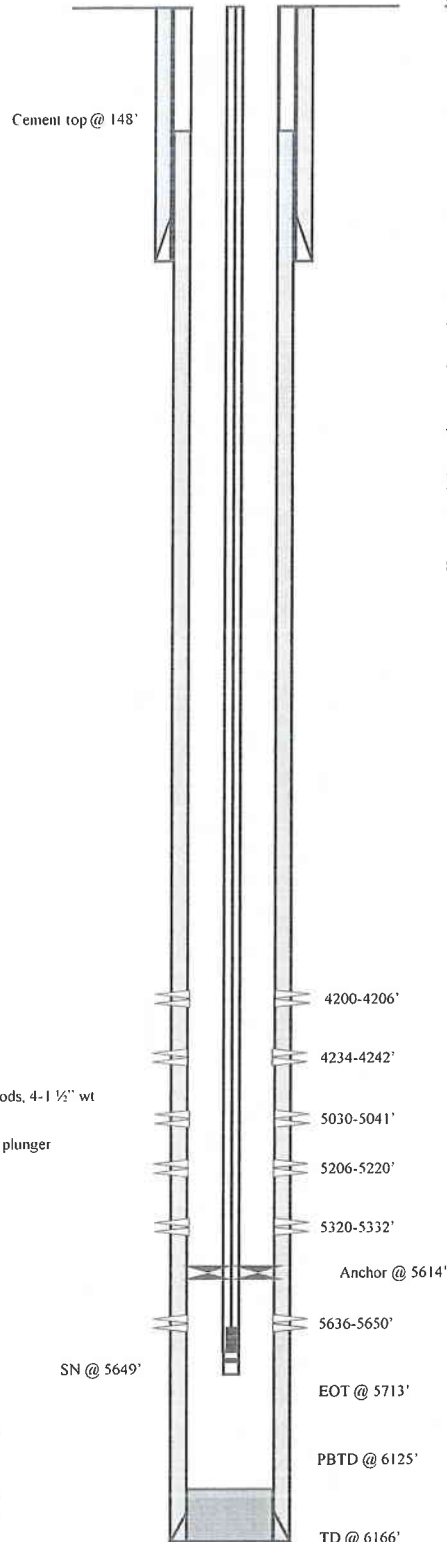
TUBING

SIZE/GRADE/WT 2-7/8" / J-55  
NO OF JOINTS 179 jts (5602 17')  
TUBING ANCHOR 5614 17' KB  
NO OF JOINTS 1 jt (31 10')  
SEATING NIPPLE 2-7/8" (1 10')  
SN LANDED AT 5649 07' KB  
NO OF JOINTS 2 jts (63 21')  
TOTAL STRING LENGTH EOT @ 5712 73'

SUCKER RODS

POLISHED ROD 1 1/2" x 26'  
SUCKER RODS 2", 2", 6' x 7/8" ponies, 221-7/8" scraped rods, 4-1 1/2" wt bars, shear coupling #21,000  
PUMP SIZE CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC pump w/sm plunger  
STROKE LENGTH 122"  
PUMP SPEED, SPM 4

## Wellbore Diagram

FRAC JOB

1/14/09 5636-5650' RU BJ & frac CPI sds as follows:  
50,262# 20/40 sand in 471 bbls of Lightning 17 frac fluid Treated @ ave pressure of 2162 @ ave rate of 23 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2289 Actual flush 5170 gals

1/14/09 5320-5332' RU BJ & frac stage #2 sds as follows:  
40,638# 20/40 sand in 420 bbls of Lightning 17 frac fluid Treated @ ave pressure of 3291 @ ave rate of 26 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2861 Actual flush 4876 gals

1/14/09 5206-5220' RU BJ & frac stage #3 sds as follows:  
55,182# 20/40 sand in 496 bbls of Lightning 17 frac fluid Treated @ ave pressure of 1944 @ ave rate of 23 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2459 Actual flush 4741 gals

1/14/09 5030-5041' RU BJ & frac stage #4 sds as follows:  
40,414# 20/40 sand in 408 bbls of Lightning 17 frac fluid Treated @ ave pressure of 1814 @ ave rate of 23 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 1987 Actual flush 4523 gals

1/15/09 4200-4242' RU BJ & frac stage #5 sds as follows:  
38,064# 20/40 sand in 381 bbls of Lightning 17 frac fluid Treated @ ave pressure of 1964 @ ave rate of 23 bpm w/ 8 ppg of sand ISIP was 2122 Actual flush 4116 gals

8/5/09

Parted rods Updated rod & tubing detail

PERFORATION RECORD

|         |            |        |          |
|---------|------------|--------|----------|
| 1/15/09 | 4200-4206' | 4 JSPF | 24 holes |
| 1/15/09 | 4234-4242' | 4 JSPF | 32 holes |
| 1/14/09 | 5030-5041' | 4 JSPF | 44 holes |
| 1/14/09 | 5206-5220' | 4 JSPF | 56 holes |
| 1/15/09 | 5320-5332' | 4 JSPF | 48 holes |
| 1/15/09 | 5636-5650' | 4 JSPF | 56 holes |

|   |
|---|
|   |
| <b>Jonah Q-14-9-16</b><br>478' FSL & 703' FWL<br>SW/SW Section 14-T9S-R16E<br>Duchesne Co, Utah<br>API # 43-013-34041; Lease # UTU-096547 |

# Federal 6-22-9-16

Spud Date: 3-13-08  
Put on Production: 5-6-08  
GL: 5913' KB: 5925'

## SURFACE CASING

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (290.93')  
DEPTH LANDED 302.78' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

## PRODUCTION CASING

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 141 jts (5933.60')  
DEPTH LANDED 5904' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP AT 196'

## TUBING

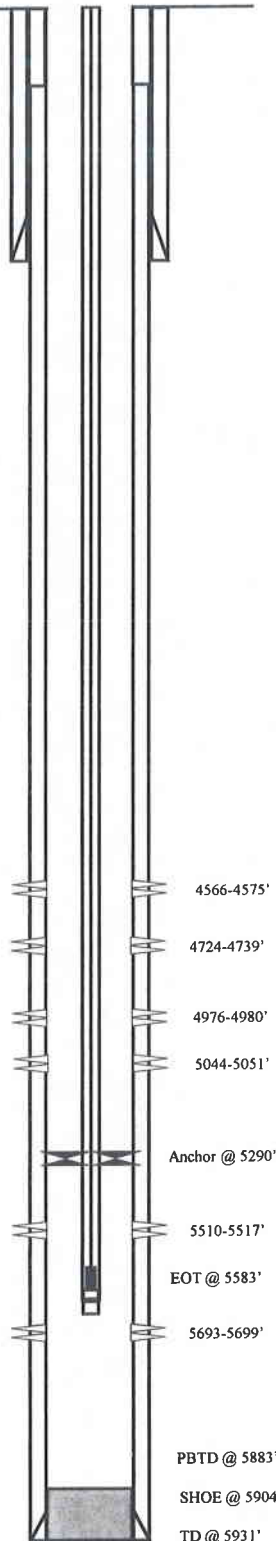
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 168 jts (5278.14')  
TUBING ANCHOR 5290.14' KB  
NO OF JOINTS 2 jts (63.11')  
SEATING NIPPLE 2-7/8" (1.10')  
SN LANDED AT 5356.05' KB  
NO OF JOINTS 1 jts (31.47')  
TOTAL STRING LENGTH EOT @ 5583.08' KB

## SUCKER RODS

POLISHED ROD 1-1/2" x 26' SM  
SUCKER RODS 2', 6', 8' x 3/4" pony rods, 99- 3/4" scraped rods, 88- 3/4" plain rods, 20- 3/4" scraped rods, 6- 1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC w/SM plunger  
STROKE LENGTH 86"  
PUMP SPEED, SPM: 5 SPM

## Wellbore Diagram

Cement top @ 196'



Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

|          |            |   |
|----------|------------|---|
| 04-30-08 | 5693-5699' | <b>Frac CP4 sands as follows:</b><br>16361# 20/40 sand in 302 bbls Lightning 17 frac fluid Treated @ avg press of 2441 psi w/avg rate of 23.2 BPM. ISIP 2055 psi Calc flush: 5691 gal Actual flush: 5250 gal          |
| 04-30-08 | 5510-5517' | <b>Frac CP2 sands as follows:</b><br>15257# 20/40 sand in 279 bbls Lightning 17 frac fluid Treated @ avg press of 2046 psi w/avg rate of 23.2 BPM. ISIP 1762 psi Calc flush: 5508 gal Actual flush: 4998 gal          |
| 04-30-08 | 4976-5051' | <b>Frac A3, &amp; A1 sands as follows:</b><br>14997# 20/40 sand in 235 bbls Lightning 17 frac fluid Treated @ avg press of 2158 psi w/avg rate of 23.2 BPM. ISIP 1884 psi Calc flush: 4974 gal Actual flush: 4494 gal |
| 4-30-08  | 4724-4739' | <b>Frac C sands as follows:</b><br>115315# 20/40 sand in 825 bbls Lightning 17 frac fluid Treated @ avg press of 1876 psi w/avg rate of 23.2 BPM. ISIP 2044 psi Calc flush: 4722 gal Actual flush: 4242 gal           |
| 04-30-08 | 4566-4575' | <b>Frac D1 sands as follows:</b><br>40206# 20/40 sand in 394 bbls Lightning 17 frac fluid Treated @ avg press of 1832 psi w/avg rate of 23.2 BPM. ISIP 1850 psi Calc flush: 4564 gal Actual flush: 4452 gal           |

## PERFORATION RECORD

|          |            |        |          |
|----------|------------|--------|----------|
| 04-24-08 | 5693-5699' | 4 JSPF | 24 holes |
| 04-30-08 | 5510-5517' | 4 JSPF | 28 holes |
| 04-30-08 | 5044-5051' | 4 JSPF | 28 holes |
| 04-30-08 | 4976-4980' | 4 JSPF | 16 holes |
| 04-30-08 | 4724-4739' | 4 JSPF | 60 holes |
| 04-30-08 | 4566-4575' | 4 JSPF | 36 holes |

**NEWFIELD**

**Federal 6-22-9-16**

2340' FNL & 2060' FWL  
SE/NW Section 22-T9S-R16E  
Duchesne Co, Utah

API # 43-013-33026; Lease # UTU-34379

# FEDERAL 16-22-9-16

Spud Date: 08/27/07  
Put on Production: 10/10/07

GL: 5800' KB: 5812'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (293 76')  
DEPTH LANDED: 305 61' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: ? jts (')  
DEPTH LANDED: 6051' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem Lite II mixed & 525 sxs 50/50 POZ  
CEMENT TOP: 39'

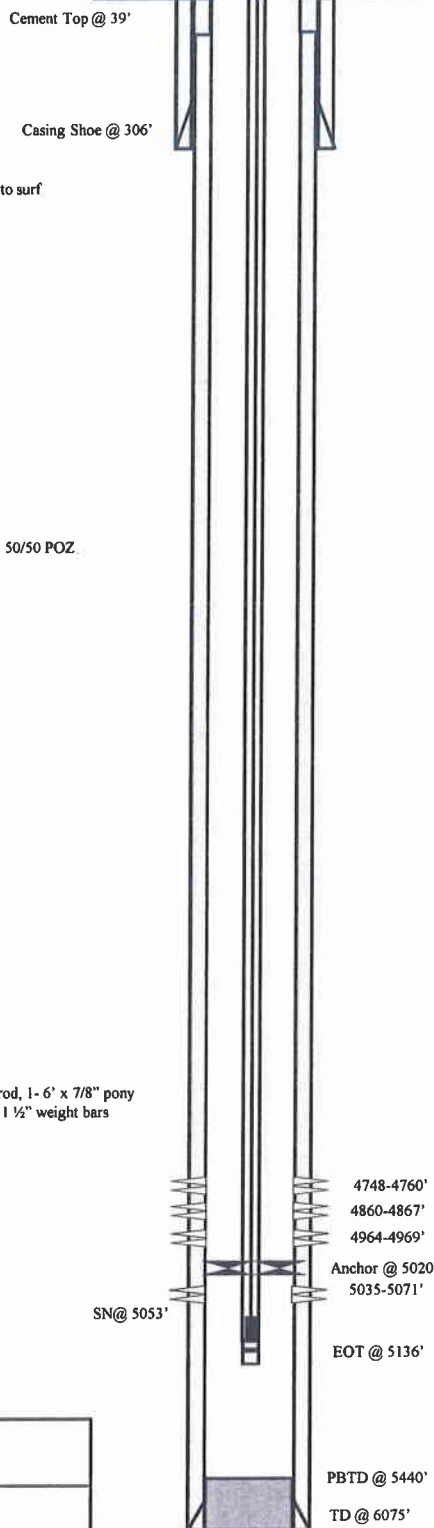
## TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 162 jts (4993 8')  
TUBING ANCHOR: 5005 8' KB  
NO. OF JOINTS: 2 jts (64 1')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 5072 8'  
NO. OF JOINTS: 2 jts (61 40')  
TOTAL STRING LENGTH: EOT @ 5136' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 2-4' x 7/8" pony rods, 1-4' x 7/8" pony rod, 1-6' x 7/8" pony rod, 197- 7/8" guided rods (8 per), 4-3' x 1" pony rods, 4- 1 1/2" weight bars  
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 16 x 20 RHAC  
STROKE LENGTH: 123"  
PUMP SPEED, SPM: 5

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

|           |            |  |
|-----------|------------|--|
| 10/05/07  | 5035-5071' | <b>Frac A1 sands as follows:</b><br>140366# 20/40 sand in 1008 bbl Lightning 17 frac fluid. Treated @ avg press of 1851 psi w/avg rate of 24.8 BPM. ISIP 2081 psi. Calc flush: 5033 gal. Actual flush: 4536 gal. |
| 10/06/07  | 4964-4969' | <b>Frac A.5 sands as follows:</b><br>15004# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2605 psi w/avg rate of 24.8 BPM. ISIP 1909 psi. Calc flush: 4962 gal. Actual flush: 4456 gal. |
| 10/05/07  | 4860-4867' | <b>Frac B2 sands as follows:</b><br>13965# 20/40 sand in 269 bbls Lightning 17 frac fluid. Treated @ avg press of 2130 psi w/avg rate of 24.8 BPM. ISIP 1925 psi. Calc flush: 4858 gal. Actual flush: 4355 gal.  |
| 10/05/07  | 4748-4760' | <b>Frac C sands as follows:</b><br>41811# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 2620 psi w/avg rate of 24.8 BPM. ISIP 2235 psi. Calc flush: 4746 gal. Actual flush: 4662 gal.   |
| 6/17/08   |            | parted rods. Updated rod and tubing detail   |
| 11/19/08  |            | Pump Change. Updated rod & tubing details  |
| 2/13/09   |            | Tubing Leak. Updated r & t details   |
| 6/18/2010 |            | Tubing leak. Updated rod and tubing detail   |

## PERFORATION RECORD

|          |            |        |           |
|----------|------------|--------|-----------|
| 10/02/07 | 5035-5071' | 4 JSPF | 144 holes |
| 10/05/07 | 4964-4969' | 4 JSPF | 20 holes  |
| 10/05/07 | 4860-4867' | 4 JSPF | 28 holes  |
| 10/05/07 | 4748-4760' | 4 JSPF | 48 holes  |

**NEWFIELD**

**FEDERAL 16-22-9-16**

2068'FSL & 649' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33394; Lease # UTU-74392

ML 7/9/2010



# JONAH P-14-9-16

Spud Date: 10/19/2010

PWOP: 12/14/2010

GL: 5707' KB: 5719'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH 8 jts (336.56')

DEPTH LANDED: 346.41' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 180 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH 143 jts (6034.18')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 6047.43' KB

CEMENT DATA: 300 sxs Prem Lite II mixed & 430 sxs 50/50 POZ

CEMENT TOP AT: 50'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 187 jts (5744.2')

TUBING ANCHOR: 5744.2' KB

NO. OF JOINTS: 1 jt (31.5')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED AT: 5778.4' KB

NO. OF JOINTS: 2 jts (62.8')

NOTCHED COLLAR: 5842.3' KB

TOTAL STRING LENGTH: EOT @ 5843'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod

SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 6' Pony Rod, 1 - 7/8" x 8' Pony Rod, 225 - 7/8" 8per Guided Rods (5625'), 4 - 1/2" Sinker Bars (100')

PUMP SIZE 2 1/2" x 1 3/4" x 21' x 24' RHAC

STROKE LENGTH: 144"

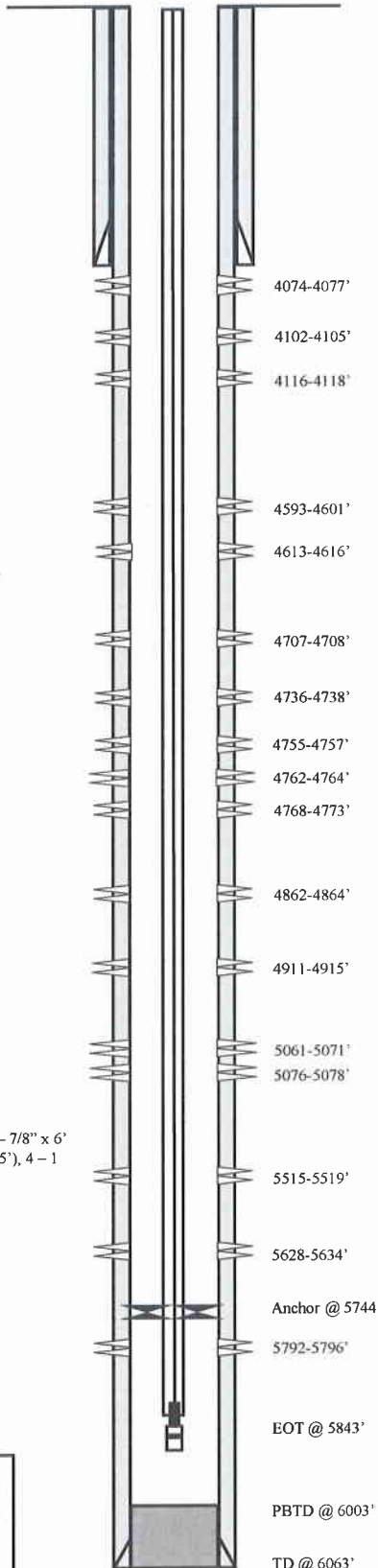
PUMP SPEED: 5 SPM

### FRAC JOB

|            |            |  |
|------------|------------|--|
| 11/30/2010 | 5515-5796' | <b>Frac CP1, CP3 &amp; CP5, sands as follows:</b><br>Frac with 20407# 20/40 brown sand in 328 bbls lightning 17 fluid; 501 bbls total fluid to recover |
| 12/08/2010 | 5061-5078' | <b>Frac A1, sands as follows:</b><br>Frac with 35843# 20/40 brown sand in 242 bbls lightning 17 fluid; 382 bbls total fluid to recover                 |
| 12/08/2010 | 4862-4915' | <b>Frac B1 &amp; B2, sands as follows:</b><br>Frac with 20423# 20/40 brown sand in 176 bbls lightning 17 fluid; 308 bbls total fluid to recover        |
| 12/08/2010 | 4707-4773' | <b>Frac C &amp; D3, sands as follows:</b><br>Frac with 65441# 20/40 brown sand in 406 bbls lightning 17 fluid; 531 bbls total fluid to recover         |
| 12/08/2010 | 4593-4616' | <b>Frac D1, sands as follows:</b><br>Frac with 40177# 20/40 brown sand in 269 bbls lightning 17 fluid; 391 bbls total fluid to recover                 |
| 12/08/2010 | 4074-4118' | <b>Frac GB4 &amp; GB6, sands as follows:</b><br>Frac with 32391# 20/40 brown sand in 226 bbls lightning 17 fluid; 338 bbls total fluid to recover      |

### PERFORATION RECORD

|            |        |          |
|------------|--------|----------|
| 5792-5796' | 3 JSPF | 12 holes |
| 5628-5634' | 3 JSPF | 18 holes |
| 5515-5519' | 3 JSPF | 12 holes |
| 5076-5078' | 3 JSPF | 6 holes  |
| 5061-5071' | 3 JSPF | 30 holes |
| 4911-4915' | 3 JSPF | 12 holes |
| 4862-4864' | 3 JSPF | 6 holes  |
| 4768-4773' | 3 JSPF | 15 holes |
| 4762-4764' | 3 JSPF | 6 holes  |
| 4755-4757' | 3 JSPF | 6 holes  |
| 4736-4738' | 3 JSPF | 6 holes  |
| 4707-4708' | 3 JSPF | 3 holes  |
| 4613-4616' | 3 JSPF | 9 holes  |
| 4593-4601' | 3 JSPF | 24 holes |
| 4116-4118' | 3 JSPF | 6 holes  |
| 4102-4105' | 3 JSPF | 9 holes  |
| 4074-4077' | 3 JSPF | 9 holes  |



**NEWFIELD**



**Jonah P-14-9-16**

513' FSL & 510' FEL (SE/SE)  
Section 14, T9S, R16E  
Duchesne County, Utah  
API #43-013-34124, Lease # UTU-017985

## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Darren Betts**Well Name: **SWDIF**Lab Tech: **Gary Peterson**Sample Point: **After production filter**Sample Date: **12/9/2011**Sample ID: **WA-204150**Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

| Sample Specifics                  |           | Analysis @ Properties in Sample Specifics |         |  |          |
|-----------------------------------|-----------|---|---------|--|----------|
|                                   |           | Cations                                   |         | Anions   |          |
|                                   |           | mg/L                                      |         | mg/L   |          |
| Test Date:                        | 12/9/2011 | Sodium (Na):                              | 6799.09 | Chloride (Cl):   | 10000.00 |
| System Temperature 1 (°F):        | 300.00    | Potassium (K):                            | 26.10   | Sulfate (SO <sub>4</sub> ):                              | 2.00     |
| System Pressure 1 (psig):         | 3000.00   | Magnesium (Mg):                           | 9.40    | Bicarbonate (HCO <sub>3</sub> ):                         | 1024.80  |
| System Temperature 2 (°F):        | 70.00     | Calcium (Ca):                             | 26.80   | Carbonate (CO <sub>3</sub> ):                            | 0.00     |
| System Pressure 2 (psig):         | 14.70     | Strontium (Sr):                           | 0.00    | Acetic Acid (CH <sub>3</sub> COO):                       | 0.00     |
| Calculated Density (g/ml):        | 1.01      | Barium (Ba):                              | 24.20   | Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO):      | 0.00     |
| pH:                               | 8.20      | Iron (Fe):                                | 0.47    | Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO):       | 0.00     |
| Calculated TDS (mg/L):            | 17913.62  | Zinc (Zn):                                | 0.00    | Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO): | 0.00     |
| CO <sub>2</sub> in Gas (%):       | 0.00      | Lead (Pb):                                | 0.70    | Fluoride (F):  | 0.00     |
| Dissolved CO <sub>2</sub> (mg/L): | 0.00      | Ammonia NH <sub>3</sub> :                 | 0.00    | Bromine (Br):  | 0.00     |
| H <sub>2</sub> S in Gas (%):      | 0.00      | Manganese (Mn):                           | 0.06    | Silica (SiO <sub>2</sub> ):                              | 0.00     |
| H <sub>2</sub> S in Water (mg/L): | 10.00     |   |         |  |          |

## Notes:

(PTB = Pounds per Thousand Barrels)

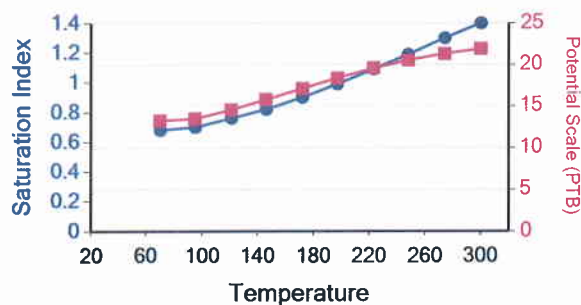
|           |      | Calcium Carbonate |       | Barium Sulfate |      | Iron Sulfide |      | Iron Carbonate |      | Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O |      | Celestite SrSO <sub>4</sub> |      | Halite NaCl |      | Zinc Sulfide |      |
|-----------|------|-------------------|-------|----------------|------|--------------|------|----------------|------|---|------|-----------------------------|------|-------------|------|--------------|------|
| Temp (°F) | PSI  | SI                | PTB   | SI             | PTB  | SI           | PTB  | SI             | PTB  | SI  | PTB  | SI                          | PTB  | SI          | PTB  | SI           | PTB  |
| 70        | 14   | 0.68              | 13.26 | 0.21           | 0.60 | 2.60         | 0.26 | 0.67           | 0.27 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 95        | 346  | 0.70              | 13.48 | 0.00           | 0.00 | 2.38         | 0.26 | 0.78           | 0.28 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 121       | 678  | 0.76              | 14.55 | 0.00           | 0.00 | 2.24         | 0.26 | 0.91           | 0.30 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 146       | 1009 | 0.82              | 15.79 | 0.00           | 0.00 | 2.16         | 0.26 | 1.02           | 0.31 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 172       | 1341 | 0.90              | 17.10 | 0.00           | 0.00 | 2.12         | 0.26 | 1.13           | 0.32 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 197       | 1673 | 0.99              | 18.39 | 0.00           | 0.00 | 2.12         | 0.26 | 1.22           | 0.32 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 223       | 2004 | 1.09              | 19.55 | 0.00           | 0.00 | 2.15         | 0.26 | 1.31           | 0.33 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 248       | 2336 | 1.19              | 20.54 | 0.00           | 0.00 | 2.21         | 0.26 | 1.37           | 0.33 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 274       | 2668 | 1.30              | 21.32 | 0.00           | 0.00 | 2.28         | 0.26 | 1.42           | 0.33 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 300       | 3000 | 1.40              | 21.90 | 0.00           | 0.00 | 2.36         | 0.26 | 1.46           | 0.33 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |

|           |      | Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O |      | Anhydrite CaSO <sub>4</sub> |      | Calcium Fluoride |      | Zinc Carbonate |      | Lead Sulfide |      | Mg Silicate |      | Ca Mg Silicate |      | Fe Silicate |      |
|-----------|------|--|------|-----------------------------|------|------------------|------|----------------|------|--------------|------|-------------|------|----------------|------|-------------|------|
| Temp (°F) | PSI  | SI   | PTB  | SI                          | PTB  | SI               | PTB  | SI             | PTB  | SI           | PTB  | SI          | PTB  | SI             | PTB  | SI          | PTB  |
| 70        | 14   | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 13.45        | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 95        | 346  | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 12.59        | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 121       | 678  | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 11.89        | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 146       | 1009 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 11.28        | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 172       | 1341 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 10.76        | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 197       | 1673 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 10.32        | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 223       | 2004 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 9.93         | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 248       | 2336 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 9.60         | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 274       | 2668 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 9.30         | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 300       | 3000 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 9.03         | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |

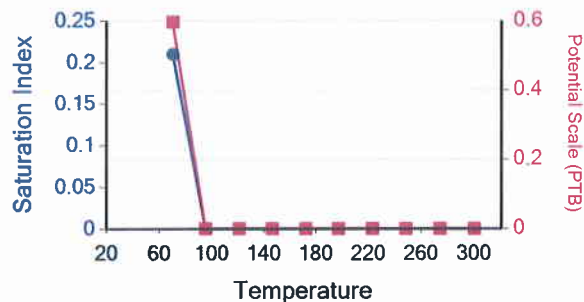
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Lead Sulfide



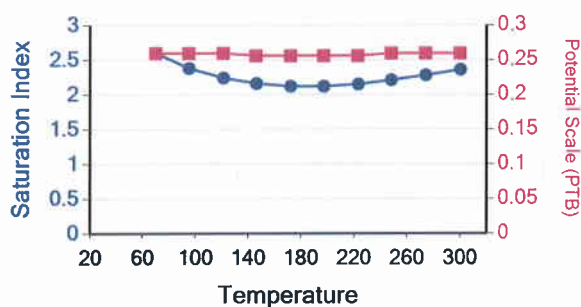
Calcium Carbonate



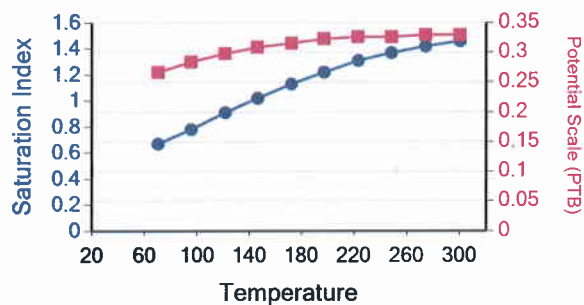
Barium Sulfate



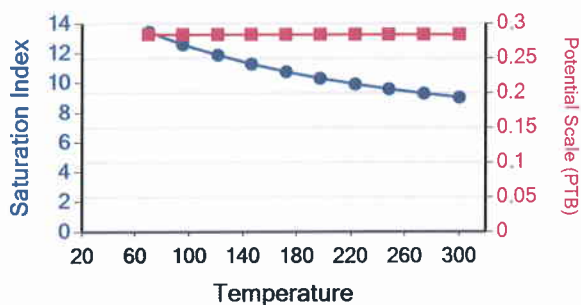
Iron Sulfide



Iron Carbonate



Lead Sulfide



## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Darren Betts**Well Name: **FEDERAL 1-22-9-16**Lab Tech: **Gary Peterson**Sample Point: **Treater**Sample Date: **3/20/2012**Sample ID: **WA-210167**Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

| Sample Specifics                  |           | Analysis @ Properties in Sample Specifics |         |   |          |
|-----------------------------------|-----------|---|---------|---|----------|
|                                   |           | Cations                                   | mg/L    | Anions  | mg/L     |
| Test Date:                        | 3/29/2012 | Sodium (Na):                              | 9449.63 | Chloride (Cl):  | 10000.00 |
| System Temperature 1 (°F):        | 300.00    | Potassium (K):                            | 39.50   | Sulfate (SO <sub>4</sub> ):                             | 310.00   |
| System Pressure 1 (psig):         | 3000.00   | Magnesium (Mg):                           | 2.20    | Bicarbonate (HCO <sub>3</sub> ):                        | 7637.20  |
| System Temperature 2 (°F):        | 70.00     | Calcium (Ca):                             | 11.40   | Carbonate (CO <sub>3</sub> ):                           | 0.00     |
| System Pressure 2 (psig):         | 14.70     | Strontium (Sr):                           | 0.00    | Acetic Acid (CH <sub>3</sub> COO)                       | 0.00     |
| Calculated Density (g/ml):        | 1.02      | Barium (Ba):                              | 1.20    | Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)      | 0.00     |
| pH:                               | 9.80      | Iron (Fe):                                | 22.90   | Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)       | 0.00     |
| Calculated TDS (mg/L):            | 27475.73  | Zinc (Zn):                                | 0.70    | Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO) | 0.00     |
| CO <sub>2</sub> in Gas (%):       | 0.00      | Lead (Pb):                                | 0.30    | Fluoride (F):   | 0.00     |
| Dissolved CO <sub>2</sub> (mg/L): | 0.00      | Ammonia NH <sub>3</sub> :                 | 0.00    | Bromine (Br):   | 0.00     |
| H <sub>2</sub> S in Gas (%):      | 0.00      | Manganese (Mn):                           | 0.70    | Silica (SiO <sub>2</sub> ):                             | 0.00     |
| H <sub>2</sub> S in Water (mg/L): | 25.00     |   |         |   |          |

## Notes:

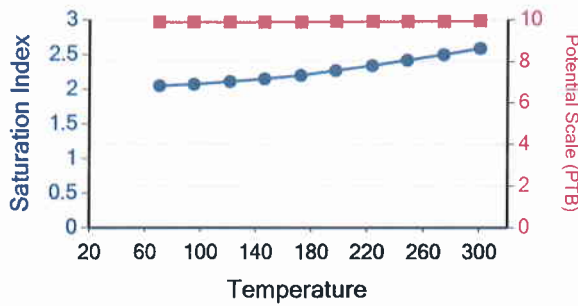
(PTB = Pounds per Thousand Barrels)

|           |      | Calcium Carbonate |      | Barium Sulfate |      | Iron Sulfide |       | Iron Carbonate |       | Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O |      | Celestite SrSO <sub>4</sub> |      | Halite NaCl |      | Zinc Sulfide |      |
|-----------|------|-------------------|------|----------------|------|--------------|-------|----------------|-------|---|------|-----------------------------|------|-------------|------|--------------|------|
| Temp (°F) | PSI  | SI                | PTB  | SI             | PTB  | SI           | PTB   | SI             | PTB   | SI  | PTB  | SI                          | PTB  | SI          | PTB  | SI           | PTB  |
| 70        | 14   | 2.05              | 9.89 | 0.81           | 0.60 | 5.86         | 12.64 | 3.84           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 12.88        | 0.36 |
| 95        | 346  | 2.07              | 9.89 | 0.57           | 0.52 | 5.63         | 12.64 | 3.96           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 12.35        | 0.36 |
| 121       | 678  | 2.11              | 9.90 | 0.38           | 0.41 | 5.46         | 12.64 | 4.06           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 11.89        | 0.36 |
| 146       | 1009 | 2.15              | 9.91 | 0.23           | 0.29 | 5.35         | 12.64 | 4.15           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 11.50        | 0.36 |
| 172       | 1341 | 2.20              | 9.92 | 0.11           | 0.16 | 5.28         | 12.64 | 4.23           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 11.17        | 0.36 |
| 197       | 1673 | 2.27              | 9.93 | 0.03           | 0.05 | 5.25         | 12.64 | 4.30           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 10.88        | 0.36 |
| 223       | 2004 | 2.34              | 9.93 | 0.00           | 0.00 | 5.24         | 12.64 | 4.36           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 10.62        | 0.36 |
| 248       | 2336 | 2.42              | 9.94 | 0.00           | 0.00 | 5.25         | 12.64 | 4.41           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 10.39        | 0.36 |
| 274       | 2668 | 2.50              | 9.95 | 0.00           | 0.00 | 5.27         | 12.64 | 4.44           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 10.18        | 0.36 |
| 300       | 3000 | 2.59              | 9.95 | 0.00           | 0.00 | 5.30         | 12.64 | 4.45           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 9.98         | 0.36 |

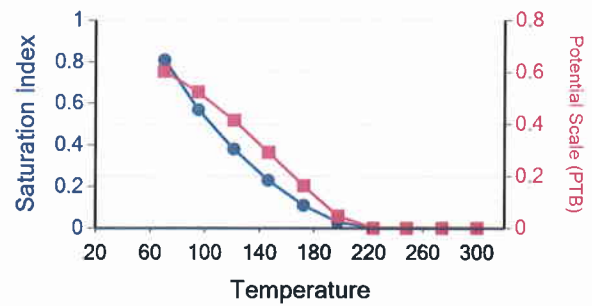
|           |      | Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O |      | Anhydrite CaSO <sub>4</sub> |      | Calcium Fluoride |      | Zinc Carbonate |      | Lead Sulfide |      | Mg Silicate |      | Ca Mg Silicate |      | Fe Silicate |      |
|-----------|------|--|------|-----------------------------|------|------------------|------|----------------|------|--------------|------|-------------|------|----------------|------|-------------|------|
| Temp (°F) | PSI  | SI   | PTB  | SI                          | PTB  | SI               | PTB  | SI             | PTB  | SI           | PTB  | SI          | PTB  | SI             | PTB  | SI          | PTB  |
| 70        | 14   | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 1.81           | 0.46 | 14.92        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 95        | 346  | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 2.15           | 0.47 | 14.06        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 121       | 678  | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 2.45           | 0.47 | 13.32        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 146       | 1009 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 2.70           | 0.47 | 12.69        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 172       | 1341 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 2.92           | 0.47 | 12.14        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 197       | 1673 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 3.10           | 0.47 | 11.66        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 223       | 2004 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 3.25           | 0.47 | 11.23        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 248       | 2336 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 3.36           | 0.47 | 10.85        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 274       | 2668 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 3.44           | 0.47 | 10.51        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 300       | 3000 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 3.49           | 0.47 | 10.19        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

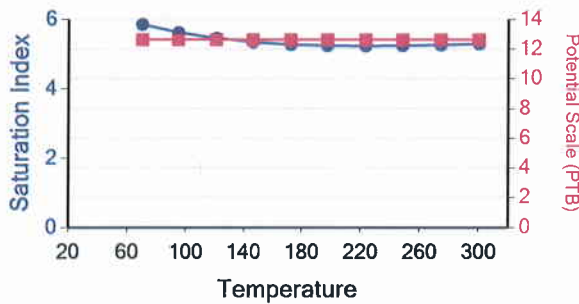
Calcium Carbonate



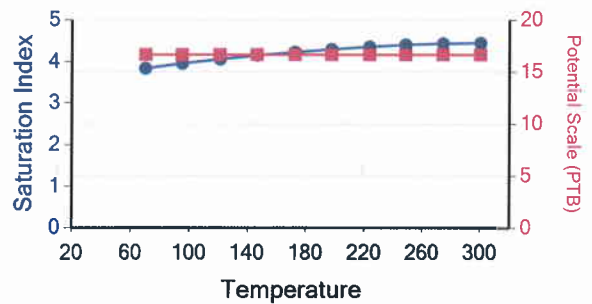
Barium Sulfate



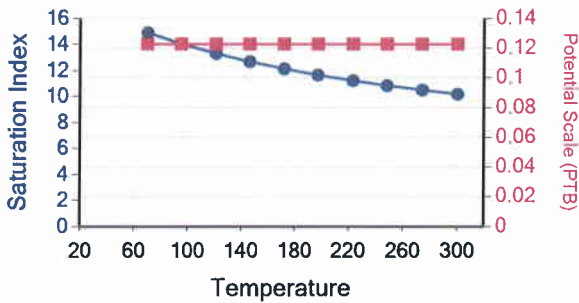
Iron Sulfide



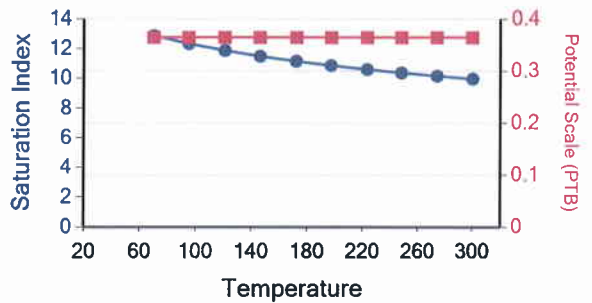
Iron Carbonate



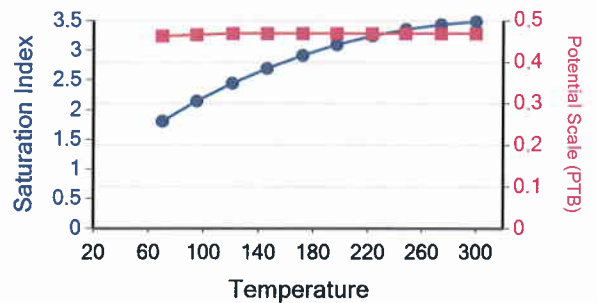
Lead Sulfide



Zinc Sulfide



Zinc Carbonate



Attachment "G"

Federal #1-22-9-16  
Proposed Maximum Injection Pressure

| Frac Interval<br>(feet) |        | Avg. Depth<br>(feet) | ISIP<br>(psi) | Calculated<br>Frac<br>Gradient<br>(psi/ft) | Pmax        |
|-------------------------|--------|----------------------|---------------|--|-------------|
| Top                     | Bottom |                      |               |  |             |
| 5410                    | 5422   | 5416                 | 2130          | 0.83                                       | 2095        |
| 4718                    | 4730   | 4724                 | 1900          | 0.84                                       | 1869 ←      |
| 4002                    | 4007   | 4005                 | 2080          | 0.95                                       | 2054        |
|                         |        |                      |               | Minimum                                    | <u>1869</u> |

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
where pressure gradient for the fresh water is .433 psi/ft and  
specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



## DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16

Report Date: 1-12-06

Day: 01

Operation: Completion

Rig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 327'

Prod Csg: 5-1/2" @ 5869'

Csg PBTD: 5790'WL

Tbg: Size: Wt:

Grd: Pkr/EOT @:

BP/Sand PBTD:

## PERFORATION RECORD

| Zone    | Perfs      | SPF/#shots | Zone | Perfs | SPF/#shots |
|---------|------------|------------|------|-------|------------|
|         |            |            |      |       |            |
|         |            |            |      |       |            |
| CP2 sds | 5410-5422' | 4/48       |      |       |            |
|         |            |            |      |       |            |
|         |            |            |      |       |            |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 11-Jan-06

SITP: SICP: 0

Instal 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5790' & cement top @ 120'. Perforate stage #1, CP2 sds @ 5410-5422' w/ 4" Port guns (19 gram, .46"HE. 120 ) w/ 4 spf for total of 48 shots. 138 bbls EWTR. SIFN.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138

Starting oil rec to date:

Fluid lost/recovered today: 0

Oil lost/recovered today:

Ending fluid to be recovered: 138

Cum oil recovered:

IFL: FFL: FTP:

Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Job Type:

Company:

Procedure or Equipment detail:

Engineered Equip. Inc. \$400

NPC NU crew \$300

NDSI trucking \$500

Perforators LLC \$5,638

Drilling cost \$293,215

D&amp;M Hot Oil \$300

Location preparation \$300

NPC wellhead \$1,500

Benco - anchors \$1,200

Admin. Overhead \$3,000

NPC Supervisor \$300

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: FG:

Completion Supervisor: Ron Shuck

DAILY COST: \$306,653

TOTAL WELL COST: \$306,653



## DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16Report Date: 17-Jan-06Day: 2aOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 327'Prod Csg: 5-1/2" @ 5869'Csg PBTD: 5790'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 

## PERFORATION RECORD

| Zone    | Perfs      | SPF/#shots | Zone | Perfs | SPF/#shots |
|---------|------------|------------|------|-------|------------|
|         |            |            |      |       |            |
|         |            |            |      |       |            |
|         |            |            |      |       |            |
| CP2 sds | 5410-5422' | 4/48       |      |       |            |
|         |            |            |      |       |            |
|         |            |            |      |       |            |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Jan-06SITP:  SICP: 0 psi

## Day 2a.

RU BJ's "Ram head". RU BJ Services. 0 psi on well. Frac CP2 sds w/ 45,584#'s of 20/40 sand in 483 bbls of Lightning 17 fluid. Broke @ 2180 psi. Treated w/ ave pressure of 2087 psi @ ave rate of 25 BPM. ISIP 2130 psi. Leave pressure on well. 621 BWTR. See Day 2b.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138Starting oil rec to date: Fluid lost/recovered today: 483Oil lost/recovered today: Ending fluid to be recovered: 621Cum oil recovered: IFL:  FFL:  FTP: Choke:  Final Fluid Rate:  Final oil cut: 

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand fracEngineered Equip. Inc. \$70Company: BJ ServicesBJ Services-CP2 \$22,811Procedure or Equipment detail: CP2 sandsNPC & Betts frac wtr \$8284600 gals of padNPC fuel gas \$1383218 gals W/ 1-4 ppg of 20/40 sandWeatherford tool/serv \$9506420 gals W/ 4-6.5 ppg of 20/40 sandNPC Supervisor \$100743 gals W/ 6.5 ppg of 20/40 sandNPC trucking \$400Flush W/ 504 gals of 15% HCL acidFlush W/ 4788 gals of slick water\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*Max TP: 2342 Max Rate: 25.3 BPM Total fluid pmpd: 483 bblsAvg TP: 2087 Avg Rate: 25 BPM Total Prop pmpd: 45,584#'sISIP: 2130 5 min:  10 min:  FG: .83Completion Supervisor: Orson BarneyDAILY COST: \$25,297TOTAL WELL COST: \$331,950





3087

## DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16Report Date: 17-Jan-06Day: 2bOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 327'Prod Csg: 5-1/2" @ 5869'Csg PBTD: 5790'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 4900'

## PERFORATION RECORD

| Zone    | Perfs       | SPF/#shots | Zone | Perfs | SPF/#shots |
|---------|-------------|------------|------|-------|------------|
| B1 sds  | 4718- 4730' | 4/48       |      |       |            |
| B2 sds  | 4768- 4786' | 4/72       |      |       |            |
| CP2 sds | 5410-5422'  | 4/48       |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Jan-06SITP: SICP: 1405 psi

## Day 2b.

RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" flow through plug, 12' & 18' (3 1/8") perf guns Set plug @ 4900'. Perforate B2 sds @ 4768- 86', B1 sds @ 4718- 30'. All 4 SPF for a total of 120 holes (2 runs). RL BJ Services. 1405 psi on well. Frac B2 & B1 sds w/ 124,027#'s of 20/40 sand in 851 bbls of Lightning 17 fluid. Broke @ 1727 psi. Treated w/ ave pressure of 1490 psi @ ave rate of 24.9 BPM. ISIP 1900 psi. Leave pressure on well 1472 BWTR. See Day 2c.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 621Starting oil rec to date: Fluid lost/recovered today: 851Oil lost/recovered today: Ending fluid to be recovered: 1472Cum oil recovered: IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: B1&2 sands9400 gals of pad6319 gals W/ 1-5 ppg of 20/40 sand12622 gals W/ 5-8 ppg of 20/40 sand2773 gals W/ 8 ppg of 20/40 sandFlush W/ 504 gals of 15% HCL acidFlush W/ 4116 gals of slick water\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*Max TP: 1744 Max Rate: 25.6 BPM Total fluid pmpd: 851 bblsAvg TP: 1490 Avg Rate: 24.9 BPM Total Prop pmpd: 124,027#'sISIP: 1900 5 min: 10 min: FG: .83Completion Supervisor: Orson BarneyEngineered Equip. Inc. \$70BJ Services-B1&2 \$27,916NPC & Betts frac wtr \$2,304NPC fuel gas \$384Weatherford tool/serv \$2,450Lone Wolf WL \$8,188NPC Supervisor \$100DAILY COST: \$41,412TOTAL WELL COST: \$373,362



## DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16Report Date: 17-Jan-06Day: 2cOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 327'Prod Csg: 5-1/2" @ 5869'Csg PBTD: 5790'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 4110'BP: 4900'

## PERFORATION RECORD

| Zone    | Perfs       | SPF/#shots | Zone | Perfs | SPF/#shots |
|---------|-------------|------------|------|-------|------------|
| GB6 sds | 4002- 4007' | 4/20       |      |       |            |
| B1 sds  | 4718- 4730' | 4/48       |      |       |            |
| B2 sds  | 4768- 4786' | 4/72       |      |       |            |
| CP2 sds | 5410-5422'  | 4/48       |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Jan-06SITP: SICP: 1670 psi

## Day 2c.

RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" flow through plug & 5' (3 1/8") perf guns. Set plug @ 4110'. Perforate GB6 sds @ 4002- 07'. All 4 SPF for a total of 20 holes. RU BJ Services. 1670 psi on well Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid. RU BJ Services. Frac GB6 sds w/ 23,163#'s of 20/40 sand in 305 bbls of Lightning 17 fluid. Broke @ 4080 psi. Treated w/ ave pressure of 1785 ps @ ave rate of 14.5 BPM. ISIP 2080 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 6 hrs 8 died. Rec. 346 BTF, Light oil & gas at end of flowback (21% of total frac load). 1431 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1472Starting oil rec to date: Fluid lost/recovered today: 41Oil lost/recovered today: Ending fluid to be recovered: 1431Cum oil recovered: IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: GB6 sands798 gals to breakdown & get crosslink.2500 gals of pad1915 gals W/ 1-4 ppg of 20/40 sand3733 gals W/ 4-6.5 ppg of 20/40 sandFlush W/ 3877 gals of slick waterEngineered Equip. Inc. \$70BJ Services-GB6 \$10,568NPC & Betts frac wtr \$468NPC fuel gas \$78Weatherford tool/serv \$2,450Lone Wolf WL \$1,365NPC Supervisor \$100NPC/Betts wtr transfer \$400Unichem chemicals \$350Wtr disposal/trucking \$400NPC flowback hand \$300Max TP: 1828 Max Rate: 14.6 BPM Total fluid pmpd: 305 bblsAvg TP: 1785 Avg Rate: 14.5 BPM Total Prop pmpd: 23,163#'sISIP: 2080 5 min: 10 min: FG: .95Completion Supervisor: Orson BarneyDAILY COST: \$16,549TOTAL WELL COST: \$389,911





## DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16

Report Date: Jan. 18, 2006

Day: 03

Operation: Completion

Rig: NC #3

## WELL STATUS

Surf Csg: 8-5/8' @ 327' Prod Csg: 5-1/2" @ 5869' Csg PBTD: 5790'WL  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 5619' BP/Sand PBTD: 5684'

## PERFORATION RECORD

| Zone    | Perfs       | SPF/#shots | Zone | Perfs | SPF/#shots |
|---------|-------------|------------|------|-------|------------|
| GB6 sds | 4002- 4007' | 4/20       |      |       |            |
| B1 sds  | 4718- 4730' | 4/48       |      |       |            |
| B2 sds  | 4768- 4786' | 4/72       |      |       |            |
| CP2 sds | 5410-5422'  | 4/48       |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Jan. 17, 2006

SITP: SICP: 25

MIRU NC #3. Thaw wellhead & frac valve W/ HO truck. Bleed pressure off well. Rec est 5 BTF. ND frac valve & 5W frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ usec Weatherford 4 3/4" "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag plug @ 4110'. Tbg displaced 10 BW or TIH. RU power swivel. C/O sd & drill out composite bridge as follows (using conventional circulation): no sd, plug @ 4110' in 40 minutes; sd @ 4703', plug @ 4900' in 35 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5430'. Drill plug remains & sd to 5684'. Circ hole clean W/ no fluid loss. RD swivel. Pull EOT to 5619'. SIFN W/ est 1416 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1431 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 15 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1416 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## STIMULATION DETAIL

## COSTS

Base Fluid used: Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

Procedure or Equipment detail:

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|                     |           |
|---------------------|-----------|
| NC #3 rig           | \$4,978   |
| Weatherford BOP     | \$140     |
| D & M HO truck      | \$200     |
| NDSI trucking       | \$1,400   |
| NDSI wtr & truck    | \$400     |
| NPC trucking        | \$300     |
| Four Star swivel    | \$750     |
| Aztec - new J55 tbg | \$29,251  |
| NPC sfc equipment   | \$130,000 |
| R & T labor/welding | \$19,500  |
| Mt. West sanitation | \$550     |
| Monks pit reclaim   | \$1,800   |
| NPC supervision     | \$300     |

Max TP: Max Rate: Total fluid pmpd: \_\_\_\_\_

Avg TP: Avg Rate: Total Prop pmpd: \_\_\_\_\_

ISIP: 5 min: 10 min: FG: \_\_\_\_\_

Completion Supervisor: Gary Dietz

DAILY COST: \$189,569

TOTAL WELL COST: \$579,480



## DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16

Report Date: Jan. 19, 2006

Day: 04

Operation: Completion

Rig: NC #3

## WELL STATUS

Surf Csg: 8-5/8' @ 327' Prod Csg: 5-1/2" @ 5869' Csg PBTD: 5824'  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Anchor @: 5403' BP/Sand PBTD: 5824'

## PERFORATION RECORD

| Zone    | Perfs       | SPF/#shots | Zone | Perfs | SPF/#shots |
|---------|-------------|------------|------|-------|------------|
| GB6 sds | 4002- 4007' | 4/20       |      |       |            |
| B1 sds  | 4718- 4730' | 4/48       |      |       |            |
| B2 sds  | 4768- 4786' | 4/72       |      |       |            |
| CP2 sds | 5410-5422'  | 4/48       |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Jan. 18, 2006

SITP: 0 SICP: 0

Thaw wellhead, BOP & tbg stump W/ HO truck. TIH W/ bit & tbg f/ 5619'. Tag fill @ 5676'. PU swivel. Finish C/O sc to PBTD @ 5824'. Circ hole clean W/ no fluid loss. RD swivel. Pull EOT to 5728'. RU swab equipment. IFL @ sfc Made 10 swb runs rec 111 BTF W/ light gas, tr oil & no sand. FFL @ 1500'. TIH W/ tbg. Tag fill @ 5820' (4' new fill) C/O sd to PBTD @ 5684'. Circ hole W/ clean wtr. Lost est 45 BW & rec tr oil. LD excess tbg. TOH W/ tbg-LD bit TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 170 jts 2 7/8 8rc 6.5# J-55 tbg. ND BOP. Set TA @ 5403' W/ SN @ 5437' & EOT @ 5502'. Land tbg W/ 15,000# tension. NL wellhead. SIFN W/ est 1350 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1416

Starting oil rec to date: \_\_\_\_\_

Fluid lost/recovered today: 66

Oil lost/recovered today: \_\_\_\_\_

Ending fluid to be recovered: 1350

Cum oil recovered: \_\_\_\_\_

IFL: sfc FFL: 1500' FTP: \_\_\_\_\_

Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: tr

## STIMULATION DETAIL

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

Procedure or Equipment detail: \_\_\_\_\_

## COSTS

|                      |         |
|----------------------|---------|
| NC #3 rig            | \$4,496 |
| Weatherford BOP      | \$140   |
| D & M HO truck       | \$200   |
| Four Star swivel     | \$750   |
| NPC location cleanup | \$300   |
| NPC wtr disposal     | \$3,000 |
| CDI TA               | \$525   |
| CDI SN               | \$80    |
| NPC supervision      | \$300   |
|                      |         |
|                      |         |
|                      |         |

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_

Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_

ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: \_\_\_\_\_

Completion Supervisor: Gary Dietz

DAILY COST: \$9,791

TOTAL WELL COST: \$589,271



**Day: 05**

Riq: NC #3

## PERFORATION RECORD

## CHRONOLOGICAL OPERATIONS

**SITP: 0      SICP: 0**

Thaw wellhead W/ HO truck. PU & TIH W/ pump and "B" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 15 RHAC pump, 6-1 1/2" weight rods, 10-3/4" scraped rods, 101-3/4" plain rods, 100-3/4" scraped rods, 1-4' & 1-2' X 3/4" pony rods and 1 1/2" X 22' polished rod. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1350 BWTR.

**Place well on production @ 1:00 PM 1/19/2006 W/ 64" SL @ 6 SPM.**

## FINAL REPORT!!

**FLUID RECOVERY (BBLS)**

**Starting oil rec to date:** \_\_\_\_\_

Oil lost/recovered today:

Cum oil recovered: \_\_\_\_\_

## TUBING DETAIL

## ROD DETAIL

## COSTS

**DAILY COST:** \$15,256

**Completion Supervisor:** Gary Dietz

**TOTAL WELL COST:** \$604,527

## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 3952'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 175' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 44 sx Class "G" cement down 5 ½" casing to 377'

The approximate cost to plug and abandon this well is \$42,000.

## Federal 1-22-9-16

Spud Date: 12-26-05  
Put on Production: 01-19-06

GL: 5742' KB: 5754'

**SURFACE CASING**

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (315.48')

DEPTH LANDED: 327.33' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

Proposed P & A  
Wellbore Diagram

Initial Production: BOPD,  
MCFD, BWPD

**PRODUCTION CASING**

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

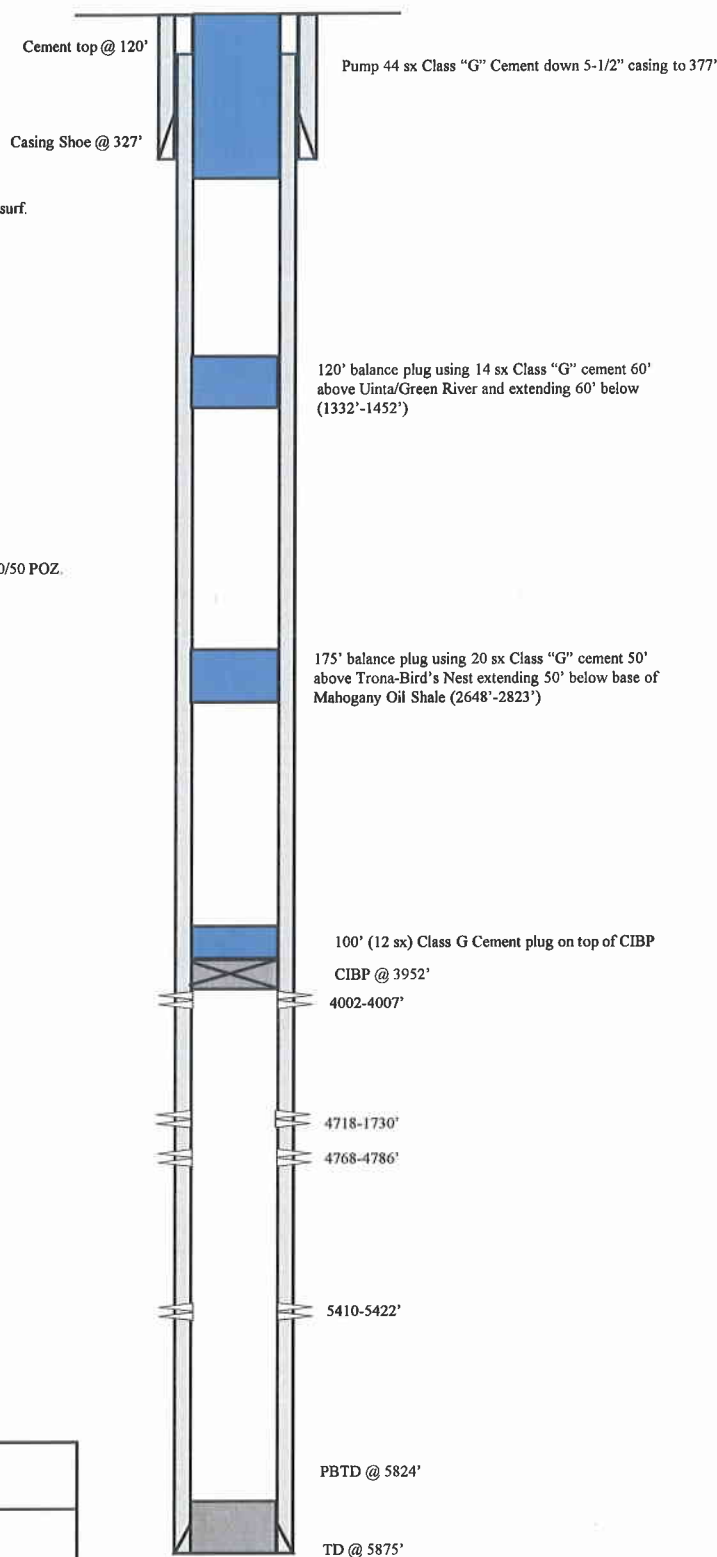
LENGTH: 139 jts (5871.28')

DEPTH LANDED: 5869.78' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

CEMENT TOP AT: 120'



**NEWFIELD**

**Federal 1-22-9-16**

887' FNL & 963' FEL

NE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32612; Lease #UTU-74392



July 19, 2004

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 1-22-9-16, 13-9-9-18, 14-9-9-18,  
and 15-9-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. The 1-22-9-16 is an Exception Location. I have notified our office in Denver and they will send you the Exception Location Letter. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

mc  
enclosures

RECEIVED

JUL 20 2004

DIV. OF OIL, GAS & MINING

Form 3160-3  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

N/A

8. Lease Name and Well No.

Federal 1-22-9-16

9. API Well No.

43-013-32412

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

NE/NE Sec. 22, T9S R16E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Inland Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NE/NE 903' FNL 824' FEL 576944X 40.02111

At proposed prod. zone 4430280Y -110.09834

14. Distance in miles and direction from nearest town or post office\*

Approximatley 18.8 miles southwest of Myton, Utah

15. Distance from proposed\*

location to nearest

property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 417' f/lse, NA f/unit

16. No. of Acres in lease

2080.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*

to nearest well, drilling, completed,

applied for, on this lease, ft.

NA

19. Proposed Depth

6500'

20. BLM/BIA Bond No. on file

UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5740' GL

22. Approximate date work will start\*

1st Quarter 2005

23. Estimated duration

Approximately seven (7) days from spud to rig release.

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)

Mandie Crozier

Date

7/19/04

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

BRADLEY G. HILL

Date

10-18-04

Title

ENVIRONMENTAL SCIENTIST III

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

RECEIVED

JUL 20 2004

DIV. OF OIL, GAS &amp; MINING



**T9S, R16E, S.L.B.&M.**

S89°57'W - 79.76 (G.L.O.)

2629.75' (Measured)

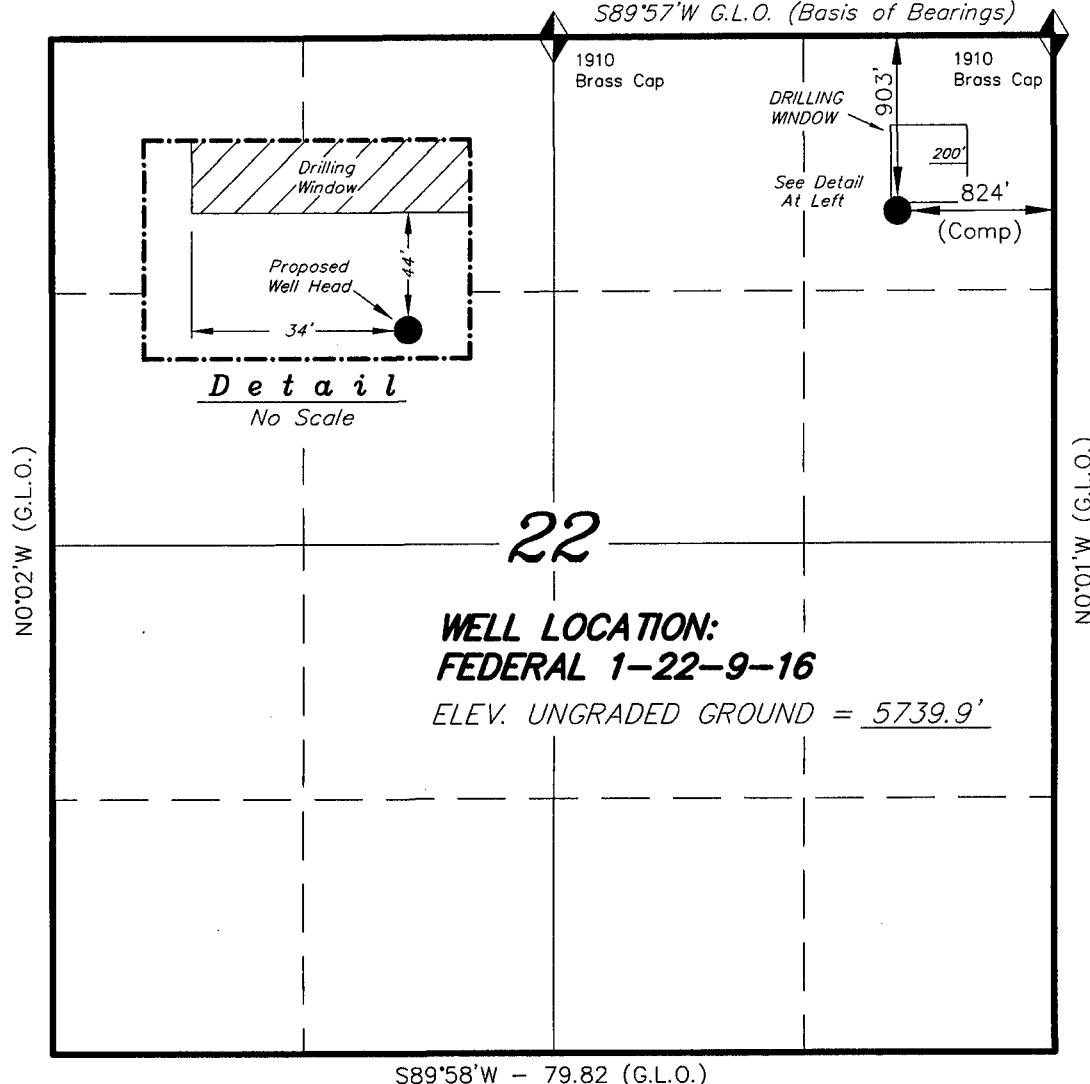
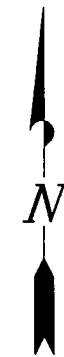
S89°57'W G.L.O. (Basis of Bearings)

**INLAND PRODUCTION COMPANY**

WELL LOCATION, FEDERAL 1-22-9-16,  
LOCATED AS SHOWN IN THE NE 1/4 NE  
1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.

Note:

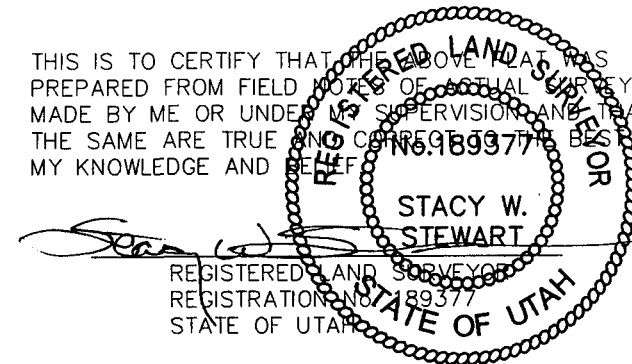
The Well Locatins Bears S42°20'07"W  
1223.00' From the Northeast Corner  
of Section 22.



**WELL LOCATION:  
FEDERAL 1-22-9-16**

ELEV. UNGRADED GROUND = 5739.9'

THIS IS TO CERTIFY THAT THE ABOVE WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.



**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2. min QUAD (MYTON SE)

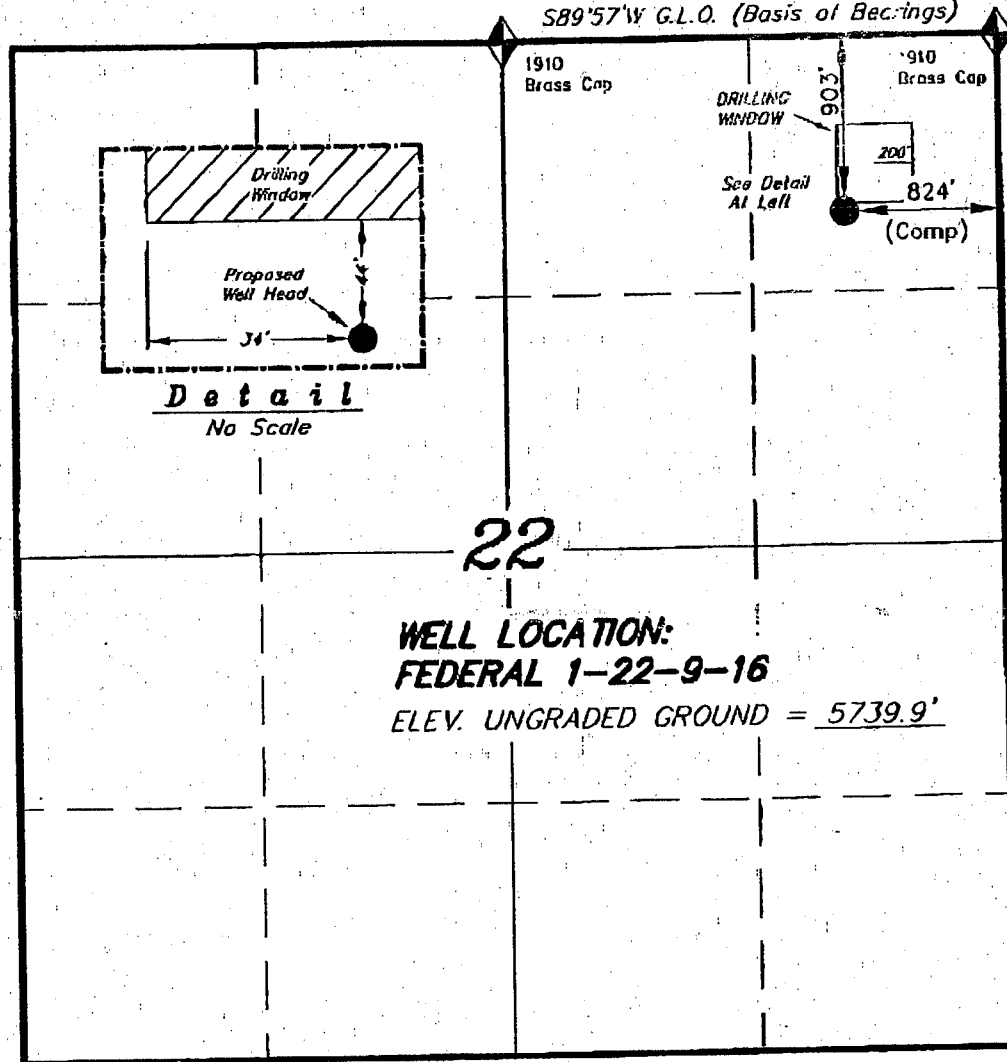
|                   |                     |
|-------------------|---------------------|
| SCALE: 1" = 1000' | SURVEYED BY: D.J.S. |
| DATE: 3-11-04     | DRAWN BY: R.V.C.    |
| NOTES:            | FILE #              |

**T9S, R16E, S.L.B.&M.**

S89°57'W - 79.76 (G.L.O.)

2629.75' (Measured)

S89°57'W G.L.O. (Basis of Bearings)



**22**

**WELL LOCATION:  
FEDERAL 1-22-9-16**

ELEV. UNGRADED GROUND = 5739.9'

S89°58'W - 79.82 (G.L.O.)

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**INLAND PRODUCTION COMPANY**

WELL LOCATION, FEDERAL 1-22-9-16,  
LOCATED AS SHOWN IN THE NE 1/4 NE  
1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.

**Note:**

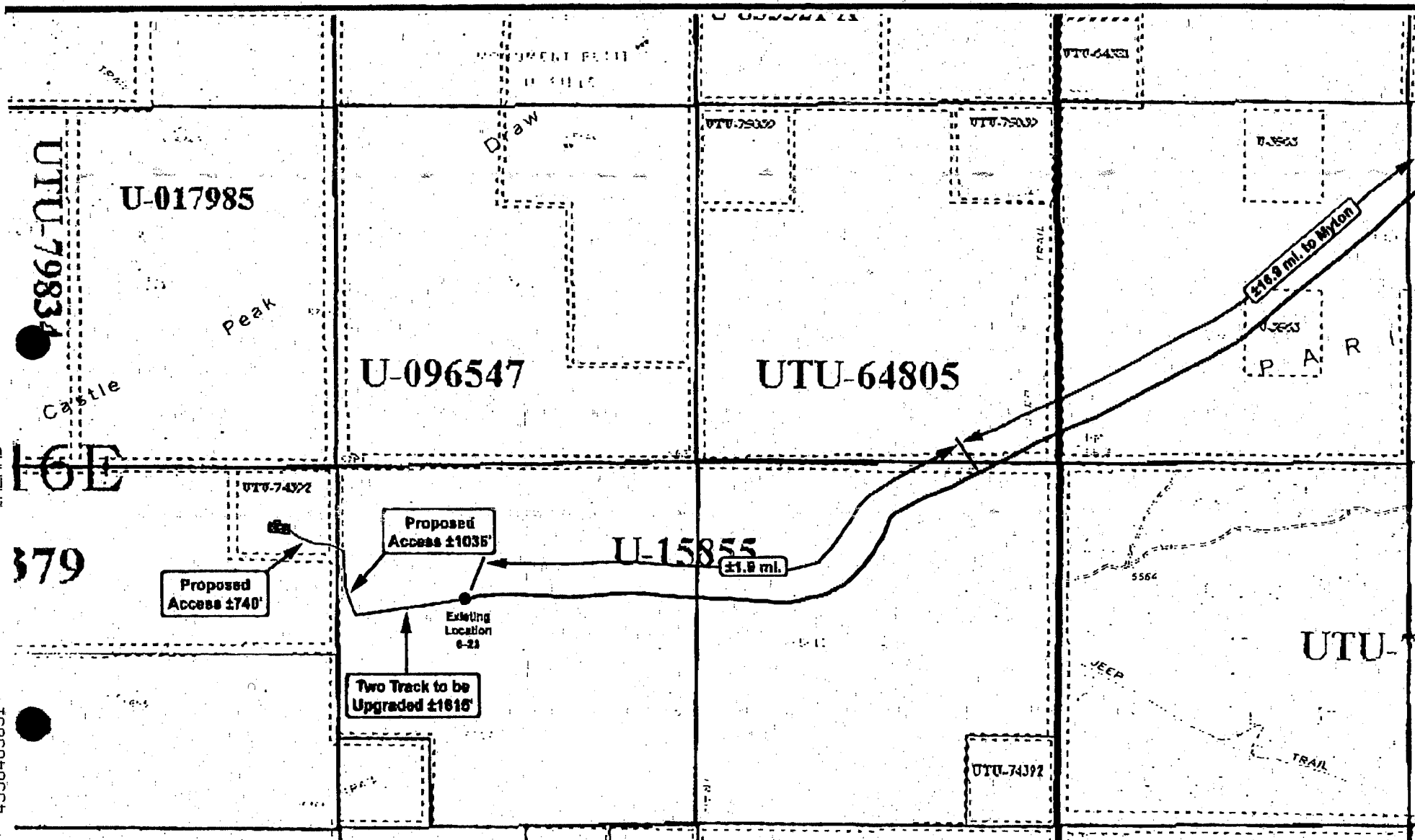
The Well Location Bears S42°20'07"W  
1223.00' From the Northeast Corner  
of Section 22.

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF

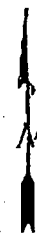
**STACY W. STEWART**  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 89377  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

|                   |                     |
|-------------------|---------------------|
| SCALE: 1" = 1000' | SURVEYED BY: D.J.S. |
| DATE: 3-11-04     | DRAWN BY: R.V.C.    |
| NOTES:            | FILE #              |



**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
 (436) 781-2501  
 160 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: bgm

DATE: 06-24-2004

**Legend**

- Existing Road
- Proposed Access
- Access to Upgrade

**"B"**

**UTU-1138**

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9B-R16E  
Duschene County, Utah

Please be advised that Thomas Lambert does not object to the proposed location on the  
aforementioned well.

By: Thomas J. Lambert Date: 9/25/04

THOMAS J. LAMBERT  
Print Name and Title

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschemo Cty., Utah; Lease UTU-035521

Please be advised that Larry R. Simpson does not object to the proposed exception location referenced above.

By:

LARRY R SIMPSON  
Print Name and Title

Date:

August 21 2004

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duscheme Cty., Utah; Lease UTU-035521

Please be advised that Vaughey & Vaughey does not object to the proposed exception location referenced above.

By: *[Signature]*

Date: 9/13/04

C H WILLIAMS, JR  
Print Name and Title  
*ATTORNEY IN FIRM*

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2335' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschemo Cty., Utah; Lease UTU-035521

Please be advised that Montana & Wyoming Oil Company does not object to the proposed exception location referenced above.

By: Robert C. Balsam Jr. Date: 8-23-04

Robert C. Balsam Jr. - President  
Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that John Warne does not object to the proposed exception location referenced above.

By: John R. Warne Date: Sept. 17, 2004  
John R. Warne  
Print Name and Title



To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Bonnie Warne does not object to the proposed exception location referenced above.

By: Bonnie Warne Date: Sept. 17'04

Bonnie Warne  
Print Name and Title

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschemo Cty., Utah; Lease UTU-035521

Please be advised that Carl Field does not object to the proposed exception location referenced above.

By: Carl B. Field Date: 9-22-04  
CARL B. FIELD  
Print Name and Title

To: Inland Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12-T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Carol Bibler does not object to the proposed exception location referenced above.

By: Carol Bibler Date: 8-27-04  
CAROL BIBLER  
Print Name and Title

To: Newfield Production Company  
Attn: Laurie Deseau  
Fax: 303-893-0103

Re: Exception Location: Federal 15-12-9-16  
2355' FEL, 427' FSL SWSE Sec 12 T9S-16E  
Duschene Cty., Utah; Lease UTU-035521

Please be advised that Leslie Breaux does not object to the proposed exception location referenced above.

By: Leslie Breaux Date: 10/02/04

Leslie Breaux, President WLLK Harrington, Inc.  
Print Name and Title

**INLAND PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

|             |            |
|-------------|------------|
| Uinta       | 0' – 1640' |
| Green River | 1640'      |
| Wasatch     | 5865'      |

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1640' – 6500' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Federal #1-22-9-16 located in the NE 1/4 NE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 5.5 miles  $\pm$  to the existing 6-23-9-16 location; proceed westerly - 1,615'  $\pm$  along an existing two track road to be upgraded to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 1,775'  $\pm$  to the proposed well location.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "A".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #02-135, 12/17/02. Paleontological Resource Survey prepared by, Wade E. Miller, 9/25/02. See attached report cover pages, Exhibit "D".

For the Federal #1-22-9-16 Inland Production Company requests a 1,615' ROW be granted in Lease U-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Inland Production Company requests a 2,650' ROW in Lease U-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Inland Production Company requests a 2,650' ROW in Lease U-15855, and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between February 1 and July 15. If the nest remains inactive on July 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and February 1 of the following year. If the nest site becomes active prior to July

15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

**Reserve Pit Liner**

A 12 mil liner will be required if rock is encountered. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

|                   |                               |            |
|-------------------|-------------------------------|------------|
| Shadscale         | <i>Atriplex confertifolia</i> | 3 lbs/acre |
| Garnders Saltbush | <i>Atriplex gardneri</i>      | 4 lbs/acre |
| Galleta Grass     | <i>Hilaria jamesii</i>        | 4 lbs/acre |
| Black Sage Brush  | <i>Artemisia nova</i>         | 1 lbs/acre |

**Details of the On-Site Inspection**

The proposed Federal #1-22-9-16 was on-sited on 11/5/03. The following were present; Brad Mecham (Inland Production), Byron Tolman (Bureau of Land Management), and a SWCA representative. The temperature was 30 degrees with ground cover being 50% open.

**13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Brad Mecham  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

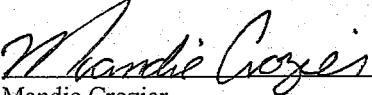
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #1-22-9-16 NE/NE Section 22, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

7/19/04

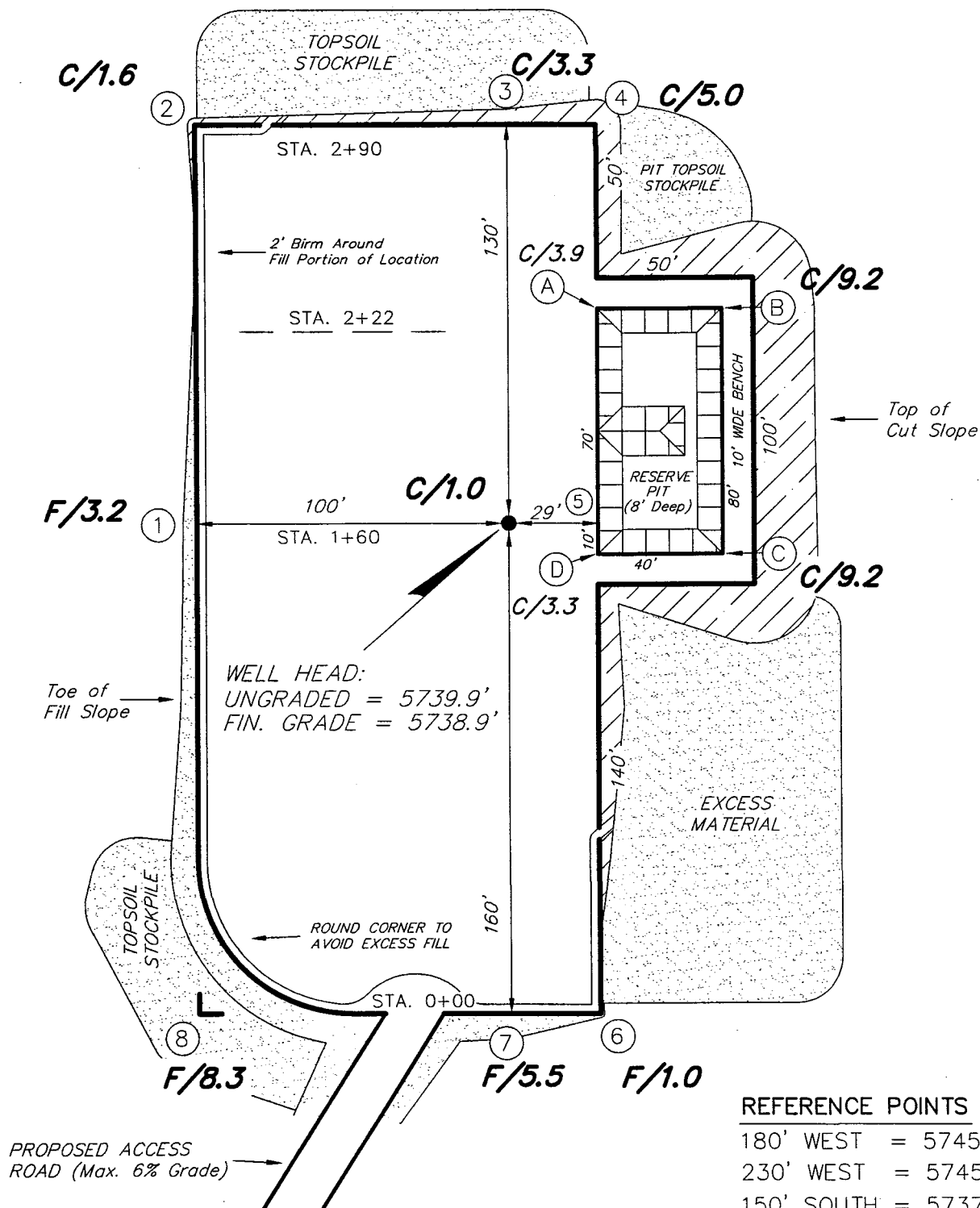
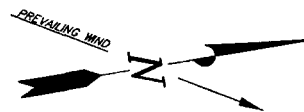
Date

  
Mandie Crozier  
Regulatory Specialist



# INLAND PRODUCTION COMPANY

FEDERAL 1-22-9-16  
SECTION 22, T9S, R16E, S.L.B.&M.



## REFERENCE POINTS

180' WEST = 5745.3'  
230' WEST = 5745.2'  
150' SOUTH = 5737.1'  
200' SOUTH = 5743.2'

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: R.V.C.

DATE: 3-11-04

Tri State  
Land Surveying, Inc.

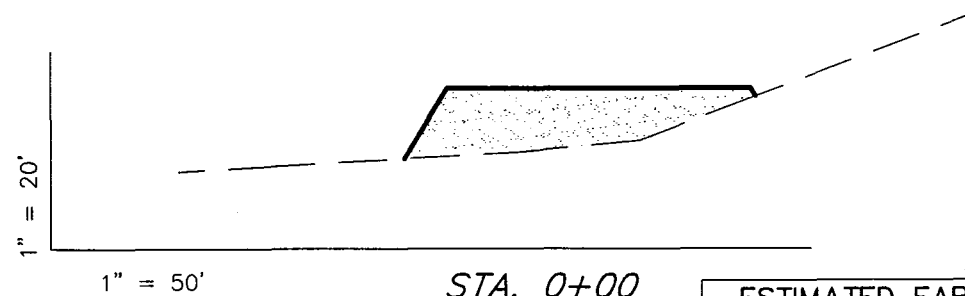
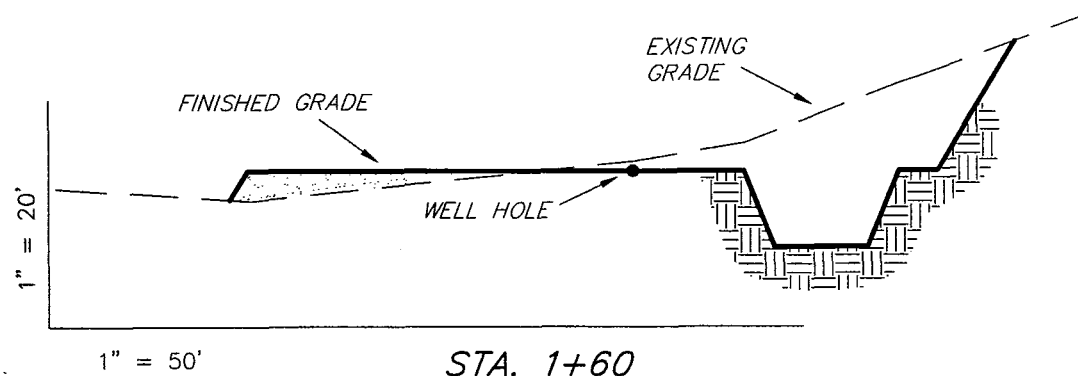
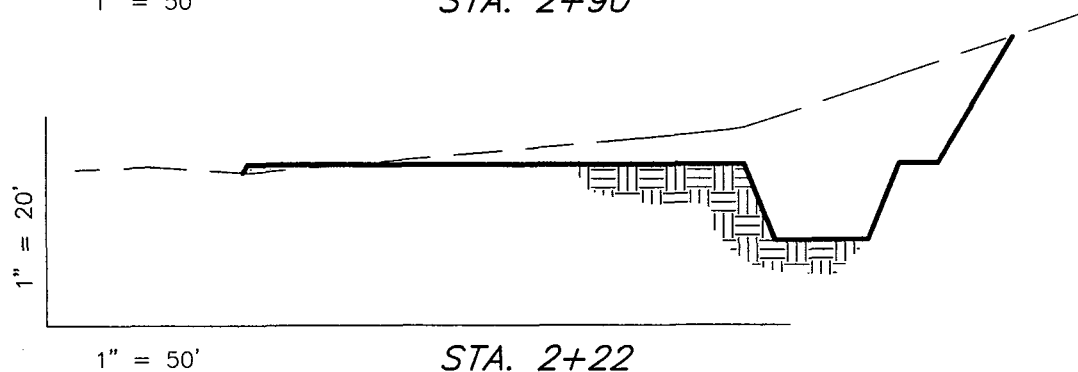
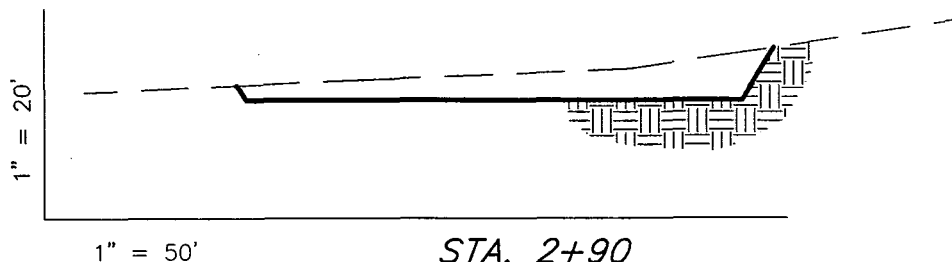
(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

FEDERAL 1-22-9-16



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

| ITEM   | CUT   | FILL  | 6" TOPSOIL                               | EXCESS |
|--------|-------|-------|--|--------|
| PAD    | 2,780 | 2,770 | Topsoil is<br>not included<br>in Pad Cut | 10     |
| PIT    | 640   | 0     |  | 640    |
| TOTALS | 3,420 | 2,770 | 790                                      | 650    |

SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: R.V.C.

DATE: 3-11-04

Tri State  
Land Surveying, Inc.

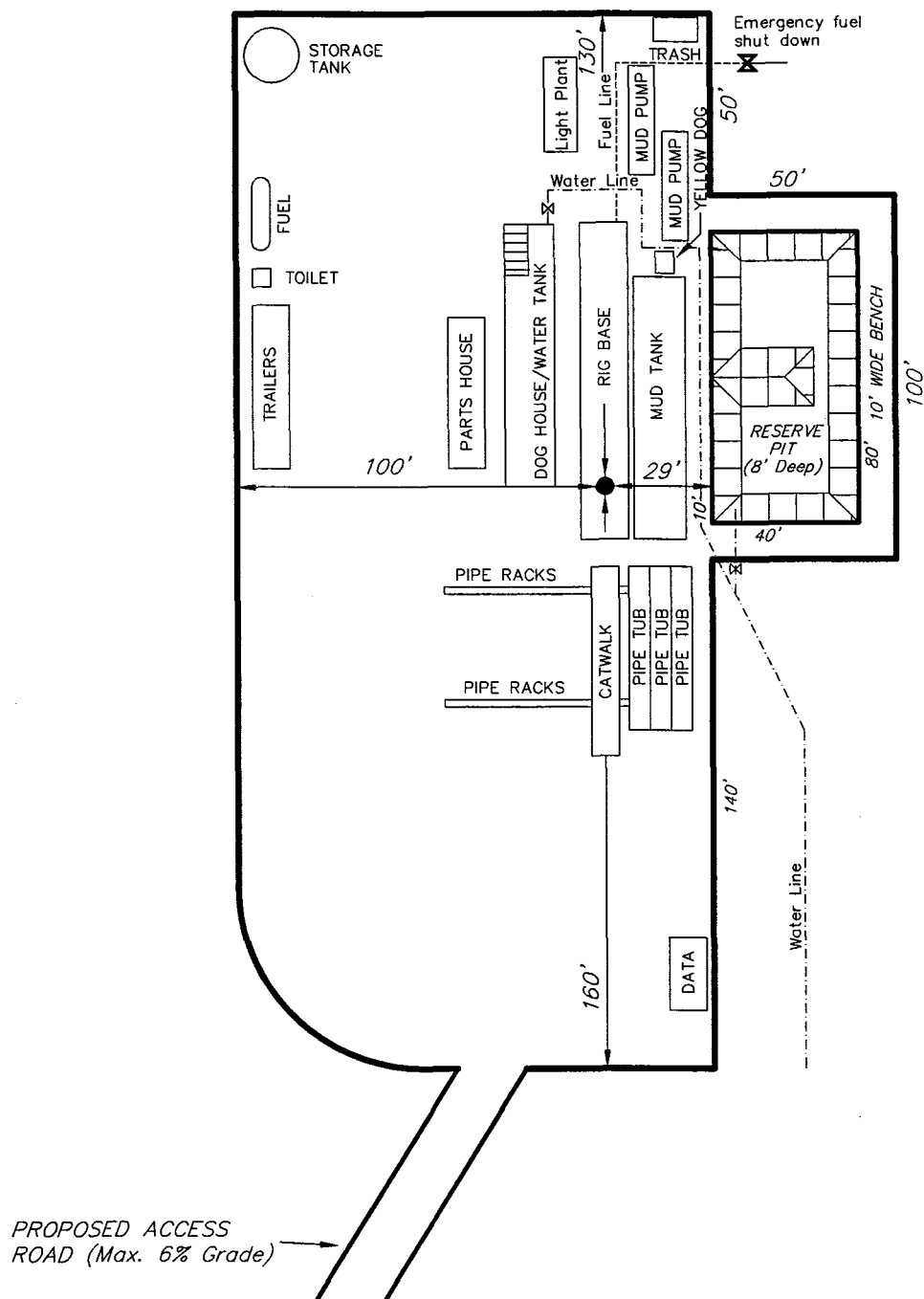
(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# INLAND PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

FEDERAL 1-22-9-16



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: R.V.C.

DATE: 3-11-04

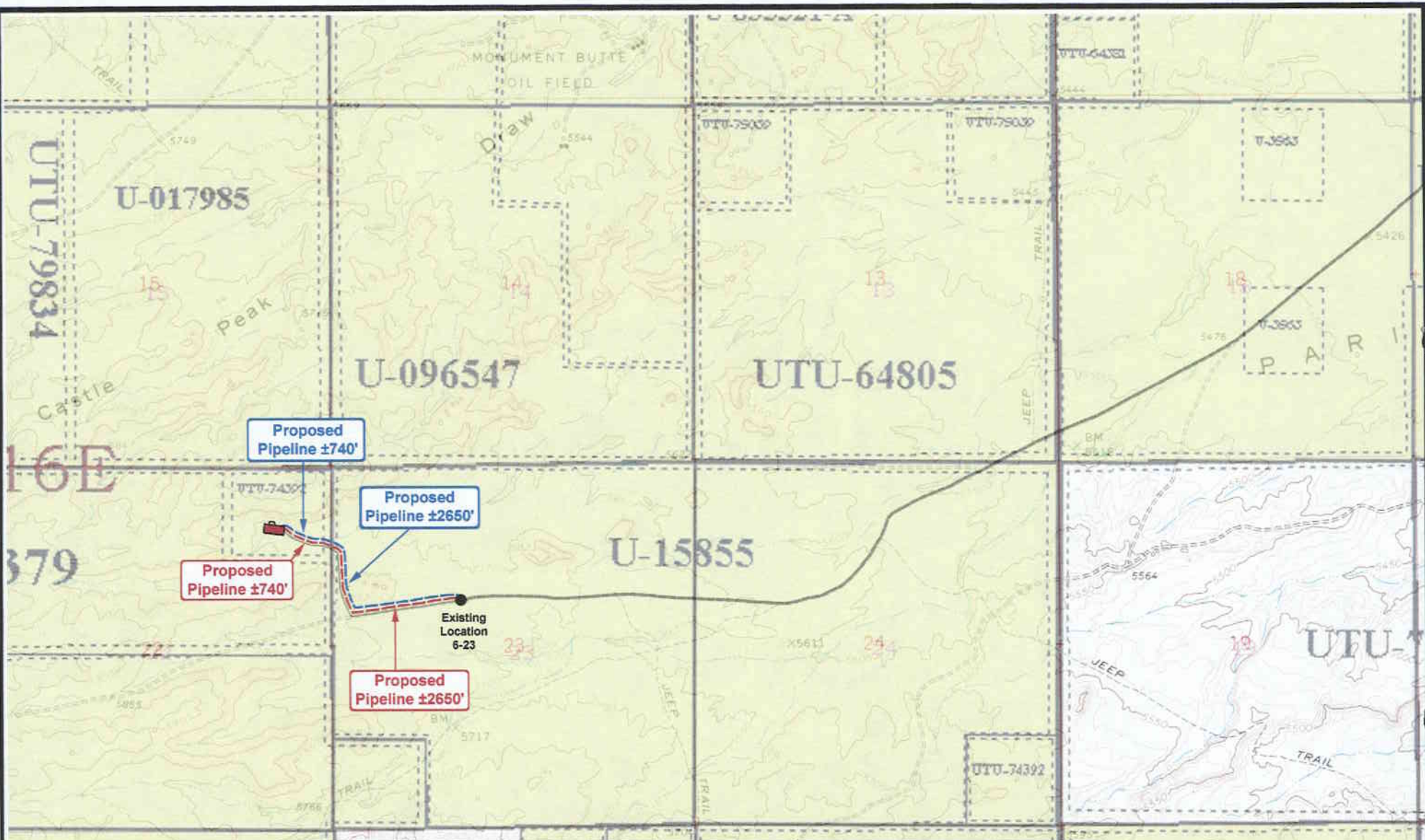
Tri State  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078







**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

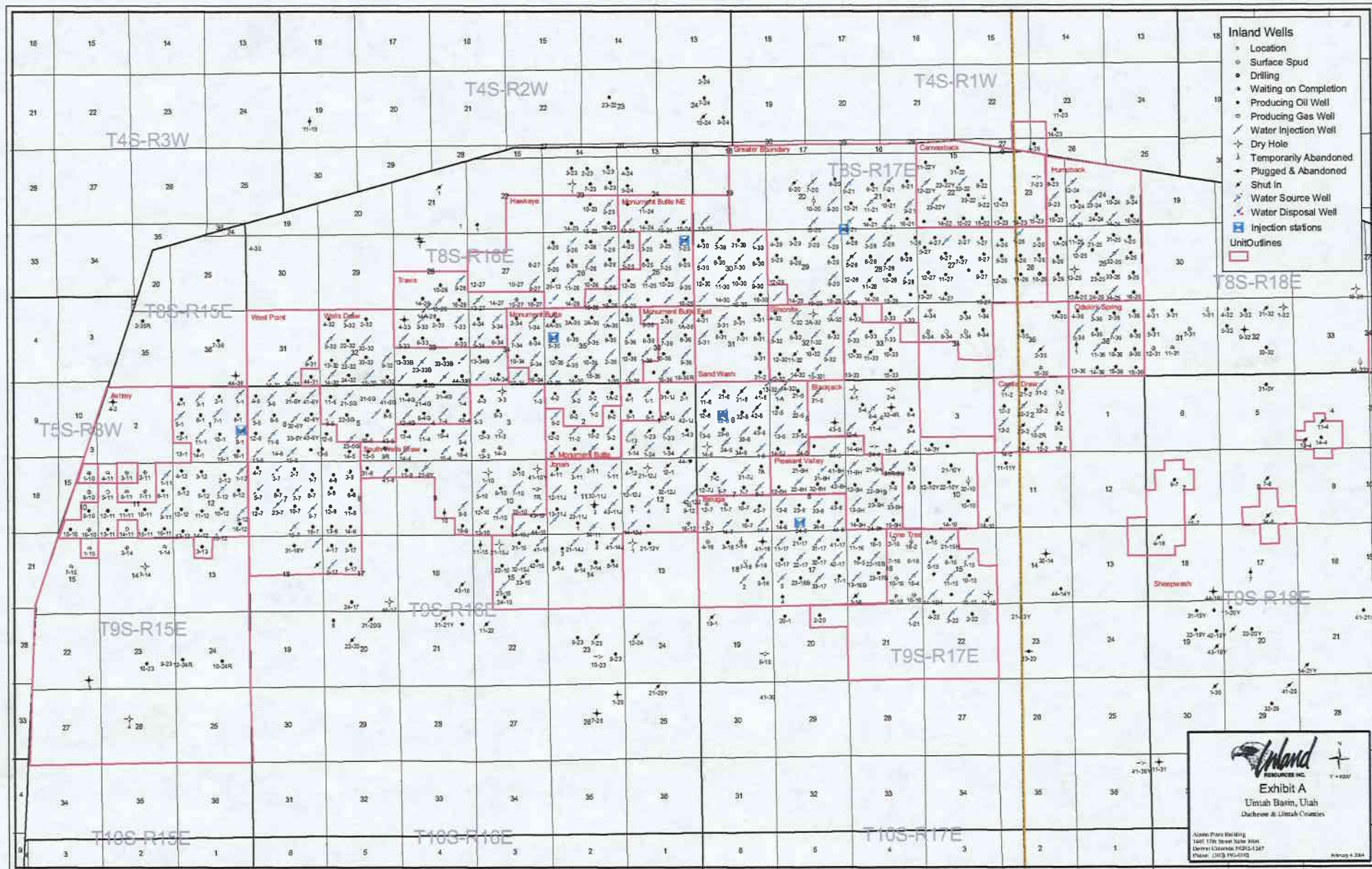
SCALE: 1" = 2,000'  
 DRAWN BY: bgm  
 DATE: 06-24-2004

**Legend**

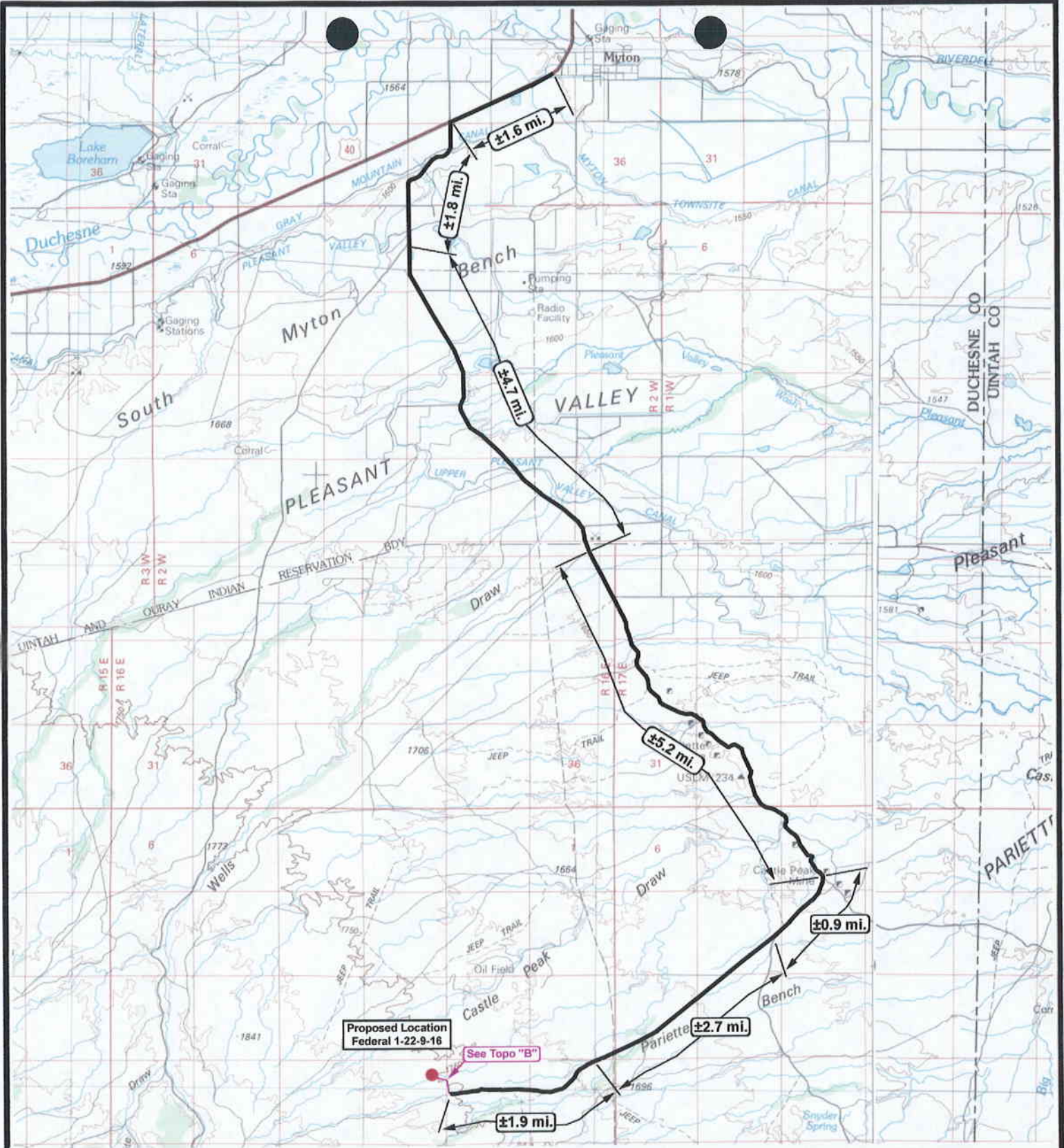
- Existing Road
- Proposed Access
- - - Proposed Gas Line
- - - Proposed Water Line

**"C"**









**Federal 1-22-9-16  
SEC. 22, T9S, R16E, S.L.B.&M.**



**Tri-State  
Land Surveying Inc.**  
(435) 781-2501  
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 100,000'  
DRAWN BY: D.J.  
DATE: 11-27-2001

**Legend**  
— Existing Road  
— Proposed Access

TOPOGRAPHIC MAP

**"A"**







# 2-M SYSTEM

Blowout Prevention Equipment Systems

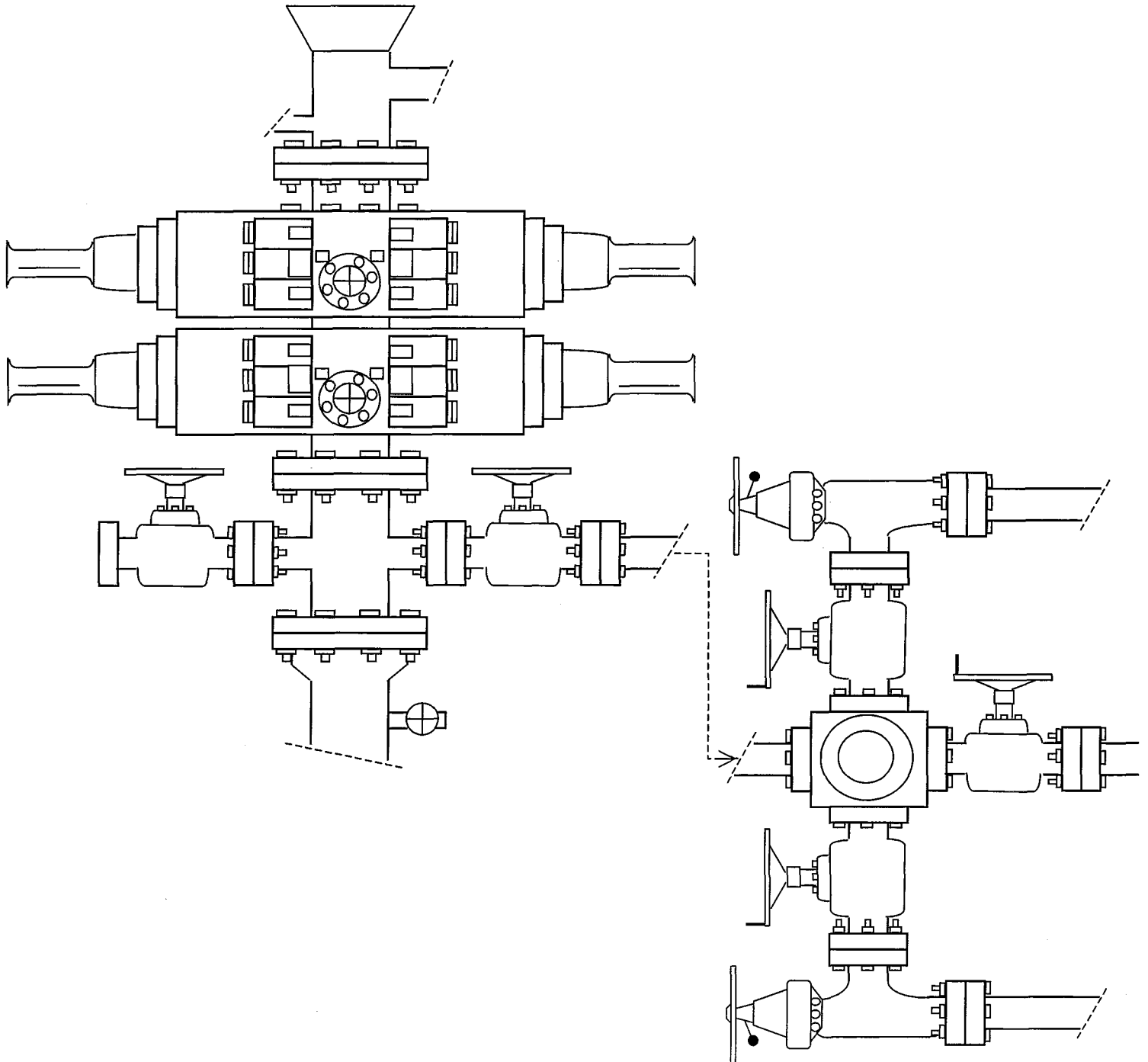


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES'  
FOURTEEN BLOCK PARCELS WITH ACCESS ROUTES AND  
PIPELINE CORRIDORS, IN DUCHESNE AND  
UINTAH COUNTIES, UTAH

by

Sarah Ball  
and  
Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office  
Vernal, Utah

and

State of Utah  
School and Institutional Trust Lands Administration

Prepared Under Contract With:

Inland Resources, Inc.  
410 17<sup>th</sup> Street, Suite 700  
Denver, CO 80202

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report NO. [02-135]

December 17, 2002

United States Department of Interior (FLPMA)  
Permit No. 02-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-02-MQ-0586b,s

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE AND UTAH COUNTIES, UTAH**

(NE & SE 1/4, Sec. 2, - SW, SW 1/4, Sec. 15, - NW, NW 1/4 & NE, SE 1/4, Sec. 22,  
SE 1/4, Sec. 23, - NE, SW 1/4, Sec. 24, - NE, SW 1/4, Sec. 27, T 9 S, R 15 E.  
SE, SE 1/4, Sec. 20 - SW 1/4, Sec. 29 - SE, SE 1/4, Sec. 30 - NE, NE 1/4, Sec. 31,  
T 8 S, R 16 E. NE, SW 1/4, Sec. 20, - NE, NE 1/4, Sec. 22, T 9 S, R 16 E, Duchesne  
County. NW, NE 1/4, Sec. 25, T 9 S, R 17 E. SW 1/4, Sec. 6, - NW 1/4, Sec. 1,  
NW 1/4, Sec. 14, - NW, NE 1/4, Sec. 23, T 9 S, R 18 E, Uintah County.)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 25, 2002

004

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/20/2004

API NO. ASSIGNED: 43-013-32612

WELL NAME: FEDERAL 1-22-9-16

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

## PROPOSED LOCATION:

NENE 22 090S 160E

SURFACE: 0903 FNL 0824 FEL

BOTTOM: 0903 FNL 0824 FEL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

| Tech Review | Initials | Date |
|-------------|----------|------|
| Engineering |          |      |
| Geology     |          |      |
| Surface     |          |      |

LATITUDE: 40.02111

LONGITUDE: 110.09834

## RECEIVED AND/OR REVIEWED:

☒ Plat☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )☒ Potash (Y/N)☒ Oil Shale 190-5 (B) or 190-3 or 190-13☒ Water Permit  
(No. MUNICIPAL )☒ RDCC Review (Y/N)  
(Date: )☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

\_\_\_ R649-2-3.

Unit \_\_\_\_\_

\_\_\_ R649-3-2. General

Siting: 460 From Qtr/Qtr &amp; 920' Between Wells

☒ R649-3-3. Exception

\_\_\_ Drilling Unit

Board Cause No: \_\_\_\_\_

Eff Date: \_\_\_\_\_

Siting: \_\_\_\_\_

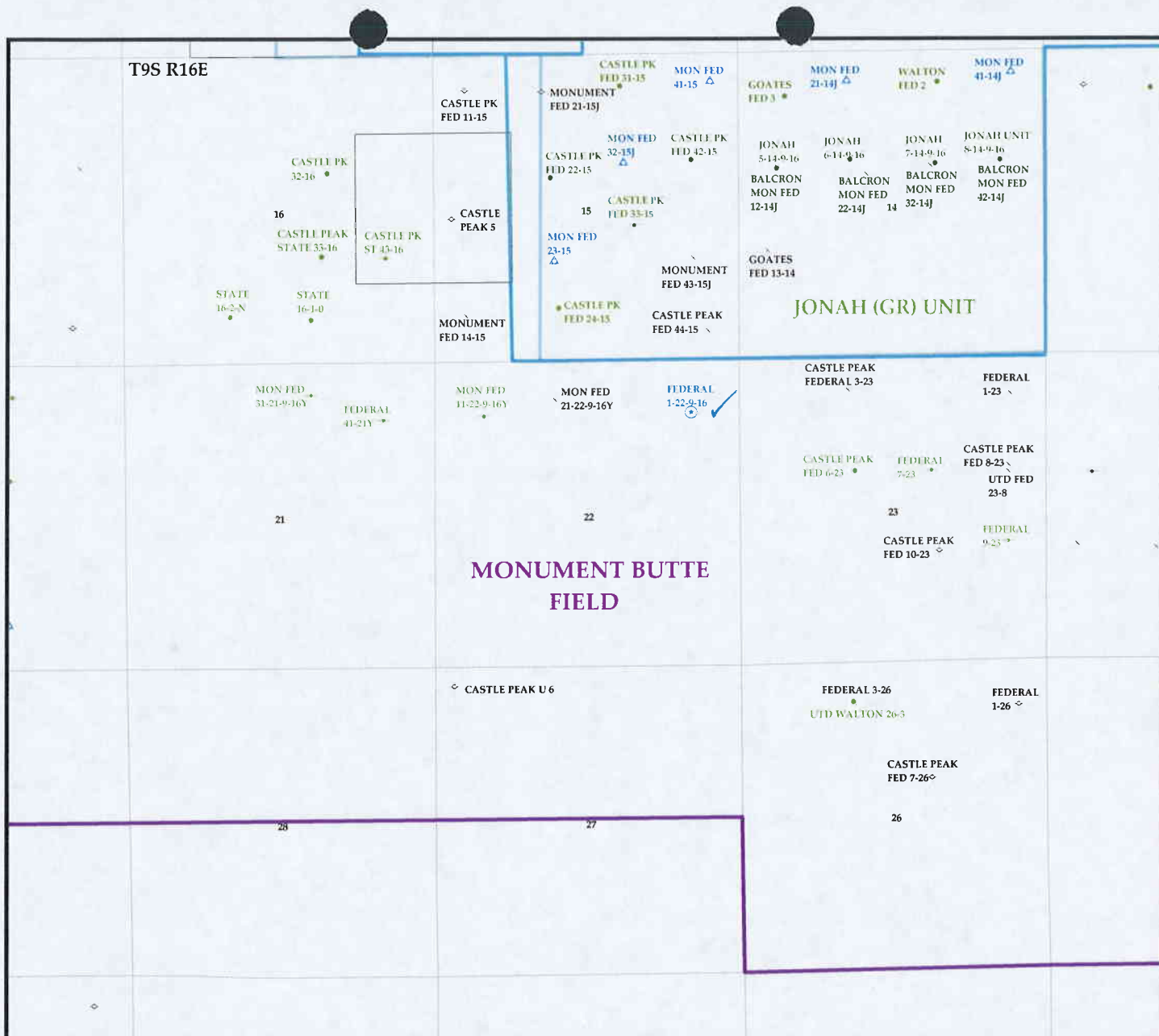
\_\_\_ R649-3-11. Directional Drill

## COMMENTS:

*See Separate file*

## STIPULATIONS:

*1- Federal Approval  
2- Spacing Sur*



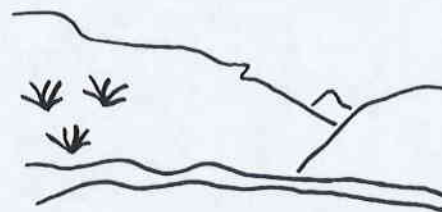
OPERATOR: INLAND PRODUCTION CO (N1590)

SEC. 22 T.9S R.16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-3 / EXCEPTION LOCATION



Utah Oil Gas and Mining

| Wells               | Units.shp     | Fields.shp |
|---------------------|---------------|------------|
| GAS INJECTION       | EXPLORATORY   | ABANDONED  |
| GAS STORAGE         | GAS STORAGE   | ACTIVE     |
| LOCATION ABANDONED  | NF PP OIL     | COMBINED   |
| NEW LOCATION        | NF SECONDARY  | INACTIVE   |
| PLUGGED & ABANDONED | PENDING       | PROPOSED   |
| PRODUCING GAS       | PI OIL        | STORAGE    |
| PRODUCING OIL       | PP GAS        | TERMINATED |
| SHUT-IN GAS         | PP GEOTHERMAL |            |
| SHUT-IN OIL         | PP OIL        |            |
| TEMP. ABANDONED     | SECONDARY     |            |
| TEST WELL           | TERMINATED    |            |
| WATER INJECTION     |               |            |
| WATER SUPPLY        |               |            |
| WATER DISPOSAL      |               |            |



PREPARED BY: DIANA WHITNEY  
DATE: 20-JULY-2004

**RECEIVED**

OCT 12 2004

**NEWFIELD****MAIL ROOM***2nd request  
10-7-04*

August 18, 2004

Yates Petroleum Corporation  
Yates Drilling Company  
Myco Industries, Inc.  
Abo Petroleum Corporation  
105 South Fourth Street  
Artesia, New Mexico 88210-2118

Attn: Bonnie Floore

Re: Exception Locations

Dear Ms. Floore:

Please be advised that Inland Production Company is requesting approval from the Utah Division of Oil, Gas & Mining for the following exception locations:

Fed 12-4-9-18; 340' FWL, 2041' FSL Sec 4-T9S-R18E; the various Yates associates referenced above have ownership in the offsetting lease UTU-65970. The exception location is requested due to an active eagle nest.

Federal 15-31-8-18; 2246' FEL, 668' FSL Sec 31-T9S-R18E; the various Yates associates referenced above have ownership in the drillsite lease UTU-74404. The exception location is requested due to active eagle and hawk nests.

Federal 1-22-9-16; 903' FNL, 824' FEL Sec 22-T9S-R16E; the various Yates associates referenced above have ownership in the drillsite lease UTU-74392 and in offsetting lease UTU-64379. The exception location is due to extreme terrain.

Federal 15-12-9-16; 2355' FEL, 427' FSL SWSE Sec 12-T9S-R16E; the various Yates associates referenced above have ownership in the offsetting lease UTU-64805. The exception location is requested due to archeological reasons.

Federal 10-5-9-18; 1875' FSL, 2185' FEL, NWSE Sec 5-T9S-R18E; the various Yates associates referenced above have ownership in the drillsite lease UTU-65970. The exception location is requested due to terrain.

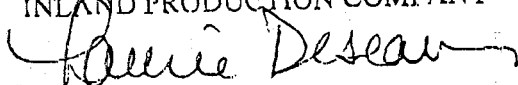
Federal 6-12-9-17; 2014' FNL, 2192' FEL, SENW Sec 12-T9S-R17E; the various Yates associates referenced above have ownership in the drillsite lease UTU-75234. The exception location is due to extreme terrain.

Federal 9-14-9-17; 2210' FSL, 923' FEL, NESE Dec 14-T9S-R17E; the various Yates associates referenced above have ownership in the drillsite lease UTU-64806. The exception location is requested due to an eagle nest.

Attached please find the corresponding Application to Drill and survey plat copies to assist you in your review. Upon agreement to these locations, please verify your consent by signing and dating where indicated at the bottom of this facsimile. Please return to my attention as soon as possible using the following Inland fax number: 303-893-0103. If I can provide additional information to assist you in your review please do not hesitate to contact me. Thank you for your assistance in this matter.

Sincerely,

INLAND PRODUCTION COMPANY

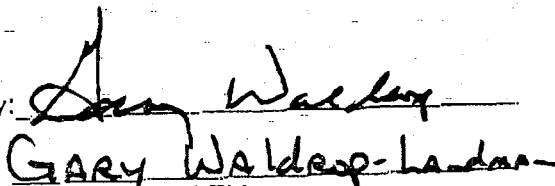


Laurie Deseau

Properties Administrator

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abq Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

By:



Print Name and Title

Date: 10-12-04





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office  
From: Acting Chief, Branch of Fluid Minerals  
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

|         |        |        |        |       |        |
|---------|--------|--------|--------|-------|--------|
| UTSL-   | 15855  | 61052  | 73088  | 76561 |        |
| 071572A | 16535  | 62848  | 73089  | 76787 |        |
| 065914  | 16539  | 63073B | 73520A | 76808 |        |
|         | 16544  | 63073D | 74108  | 76813 |        |
|         | 17036  | 63073E | 74805  | 76954 | 63073X |
|         | 17424  | 63073O | 74806  | 76956 | 63098A |
|         | 18048  | 64917  | 74807  | 77233 | 68528A |
| UTU-    | 18399  | 64379  | 74808  | 77234 | 72086A |
|         | 19267  | 64380  | 74389  | 77235 | 72613A |
| 02458   | 26026A | 64381  | 74390  | 77337 | 73520X |
| 03563   | 30096  | 64805  | 74391  | 77338 | 74477X |
| 03563A  | 30103  | 64806  | 74392  | 77339 | 75023X |
| 04493   | 31260  | 64917  | 74393  | 77357 | 76189X |
| 05843   | 33992  | 65207  | 74398  | 77359 | 76331X |
| 07978   | 34173  | 65210  | 74399  | 77365 | 76788X |
| 09803   | 34346  | 65635  | 74400  | 77369 | 77098X |
| 017439B | 36442  | 65967  | 74404  | 77370 | 77107X |
| 017985  | 36846  | 65969  | 74405  | 77546 | 77236X |
| 017991  | 38411  | 65970  | 74406  | 77553 | 77376X |
| 017992  | 38428  | 66184  | 74411  | 77554 | 78560X |
| 018073  | 38429  | 66185  | 74805  | 78022 | 79485X |
| 019222  | 38431  | 66191  | 74806  | 79013 | 79641X |
| 020252  | 39713  | 67168  | 74826  | 79014 | 80207X |
| 020252A | 39714  | 67170  | 74827  | 79015 | 81307X |
| 020254  | 40026  | 67208  | 74835  | 79016 |        |
| 020255  | 40652  | 67549  | 74868  | 79017 |        |
| 020309D | 40894  | 67586  | 74869  | 79831 |        |
| 022684A | 41377  | 67845  | 74870  | 79832 |        |
| 027345  | 44210  | 68105  | 74872  | 79833 |        |
| 034217A | 44426  | 68548  | 74970  | 79831 |        |
| 035521  | 44430  | 68618  | 75036  | 79834 |        |
| 035521A | 45431  | 69060  | 75037  | 80450 |        |
| 038797  | 47171  | 69061  | 75038  | 80915 |        |
| 058149  | 49092  | 69744  | 75039  | 81000 |        |
| 063597A | 49430  | 70821  | 75075  |       |        |
| 075174  | 49950  | 72103  | 75078  |       |        |
| 096547  | 50376  | 72104  | 75089  |       |        |
| 096550  | 50385  | 72105  | 75090  |       |        |
|         | 50376  | 72106  | 75234  |       |        |
|         | 50750  | 72107  | 75238  |       |        |
| 10760   | 51081  | 72108  | 76239  |       |        |
| 11385   | 52013  | 73086  | 76240  |       |        |
| 13905   | 52018  | 73087  | 76241  |       |        |
| 15392   | 58546  | 73807  | 76560  |       |        |



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

## NEWFIELD



October 14, 2004

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

Re: Exception Location: Federal 1-22-9-16  
903'FNL, 824' FEL NENE Sec 22-T9S-R16E  
Duschene County, Utah; Lease U-74392

Dear Ms. Whitney:


Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 44' south of the drilling window tolerance for the NENE of Sec 22, T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected in order to comply with federal lease stipulation conditions. The requested location has been selected due to the extreme terrain.

Please note the location is completely within Federal lease U-74392. The drillsite lease and all surrounding acreage within a four hundred sixty (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners and their consent to this location exception is attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

  
Laurie Deseau  
Properties Administrator

RECEIVED

OCT 18 2004

DIV. OF OIL, GAS & MINING



## State of Utah

Department of  
Natural ResourcesROBERT L. MORGAN  
*Executive Director*Division of  
Oil, Gas & MiningLOWELL P. BRAXTON  
*Division Director*OLENE S. WALKER  
*Governor*GAYLE F. McKEACHNIE  
*Lieutenant Governor*

October 18, 2004

Inland Production Company  
Rt. #3, Box 3630  
Myton, UT 84052Re: Federal 1-22-9-16 Well, 903' FNL, 824' FEL, NE NE, Sec. 22, T. 9 South,  
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32612.

Sincerely,

John R. Baza  
Associate Director

pab  
Enclosurescc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Inland Production Company  
Well Name & Number Federal 1-22-9-16  
API Number: 43-013-32612  
Lease: UTU-74392

Location: NE NE Sec. 22 T. 9 South R. 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.



## OPERATOR CHANGE WORKSHEET

012

Change of Operator (Well Sold)

Designation of Agent/Operator

## ROUTING

1. GLH

2. CDW

3. FILE

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

9/1/2004

**FROM:** (Old Operator):  
 N5160-Inland Production Company  
 Route 3 Box 3630  
 Myton, UT 84052  
 Phone: 1-(435) 646-3721

**TO:** ( New Operator):  
 N2695-Newfield Production Company  
 Route 3 Box 3630  
 Myton, UT 84052  
 Phone: 1-(435) 646-3721

CA No.

Unit:

## WELL(S)

| NAME               | SEC TWN RNG |      |      | API NO     | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |   |
|--------------------|-------------|------|------|------------|-----------|------------|-----------|-------------|---|
| FEDERAL 15-34-8-17 | 34          | 080S | 170E | 4301332628 |           | Federal    | OW        | APD         | K |
| FEDERAL 14-34-8-17 | 34          | 080S | 170E | 4301332629 |           | Federal    | OW        | APD         | K |
| FEDERAL 13-34-8-17 | 34          | 080S | 170E | 4301332630 |           | Federal    | OW        | APD         | K |
| FEDERAL 12-34-8-17 | 34          | 080S | 170E | 4301332631 |           | Federal    | OW        | APD         | K |
| FEDERAL 16-13-9-16 | 13          | 090S | 160E | 4301332647 |           | Federal    | OW        | APD         | K |
| FEDERAL 15-13-9-16 | 13          | 090S | 160E | 4301332648 |           | Federal    | OW        | APD         | K |
| FEDERAL 14-13-9-16 | 13          | 090S | 160E | 4301332649 |           | Federal    | OW        | APD         | K |
| FEDERAL 13-13-9-16 | 13          | 090S | 160E | 4301332650 |           | Federal    | OW        | NEW         | K |
| FEDERAL 12-13-9-16 | 13          | 090S | 160E | 4301332651 |           | Federal    | OW        | APD         | K |
| FEDERAL 11-13-9-16 | 13          | 090S | 160E | 4301332652 |           | Federal    | OW        | APD         | K |
| FEDERAL 10-13-9-16 | 13          | 090S | 160E | 4301332653 |           | Federal    | OW        | APD         | K |
| FEDERAL 9-13-9-16  | 13          | 090S | 160E | 4301332654 |           | Federal    | OW        | APD         | K |
| FEDERAL 8-13-9-16  | 13          | 090S | 160E | 4301332655 |           | Federal    | OW        | APD         | K |
| FEDERAL 7-13-9-16  | 13          | 090S | 160E | 4301332656 |           | Federal    | OW        | APD         | K |
| FEDERAL 11-20-9-16 | 20          | 090S | 160E | 4301332598 |           | Federal    | OW        | APD         | K |
| FEDERAL 1-22-9-16  | 22          | 090S | 160E | 4301332612 |           | Federal    | OW        | NEW         | K |
| FEDERAL 9-10-9-17  | 10          | 090S | 170E | 4301332502 | 14325     | Federal    | OW        | DRL         | K |
| FEDERAL 13-11-9-17 | 11          | 090S | 170E | 4301332510 | 14273     | Federal    | OW        | P           | K |
| FEDERAL 12-11-9-17 | 11          | 090S | 170E | 4301332544 |           | Federal    | OW        | APD         | K |
| FEDERAL 1-15-9-17  | 15          | 090S | 170E | 4301332596 |           | Federal    | OW        | APD         | K |
|                    |             |      |      |            |           |            |           |             |   |
|                    |             |      |      |            |           |            |           |             |   |

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

#### DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

#### FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

#### INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

#### FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919  
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

#### LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

#### COMMENTS:

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

NEWFIELD



February 18, 2005

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RECEIVED  
FEB 23 2005  
DIV. OF OIL, GAS & MINING

RE: Amended Applications for Permit to Drill: Federal 11-20-9-16, 1-22-9-16, 2-25-9-17, and 3-14-9-18.

Dear Diana:

Enclosed find the amended APD's on the above mentioned locations. These proposed locations were originally permitted as Oil Wells. It is proposed that they now be drilled as Deep Gas Wells. The well location footages have all changed due to the fact that the well pads will have to be made larger to accommodate the drilling rig required to drill these proposed well. The 10 Point Drilling Program and 13 Point Surface and Operations Plan have been amended as well. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

enclosures

Form 3160-3  
(September 2001)**AMENDED**

RECEIVED

FEB 23 2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DIV. OF OIL, GAS &amp; MINING

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

|  |   |   |
|--|---|---|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER   |   | 5. Lease Serial No.<br>UTU-74392  |
| 1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone |   | 6. If Indian, Allottee or Tribe Name<br>N/A                                 |
| 2. Name of Operator<br>Newfield Production Company   |   | 7. If Unit or CA Agreement, Name and No.<br>N/A                             |
| 3a. Address<br>Route #3 Box 3630, Myton UT 84052   | 3b. Phone No. (include area code)<br>(435) 646-3721             | 8. Lease Name and Well No.<br>Federal 1-22-9-16                             |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface NE/NE 887' FNL 963' FEL 576903X 40.021113<br>At proposed prod. zone 4430279Y -110.098827                  |   | 9. API Well No.<br>43-013-32612   |
| 14. Distance in miles and direction from nearest town or post office*<br>Approximately 18.8 miles southwest of Myton, Utah   |   | 10. Field and Pool, or Exploratory<br>Monument Butte                        |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 433' f/ise, NA f/unit  |   | 11. Sec., T., R., M., or Blk. and Survey or Area<br>NE/NE Sec. 22, T9S R16E |
| 16. No. of Acres in lease<br>2080.00   | 17. Spacing Unit dedicated to this well<br>40 Acres             | 12. County or Parish<br>Duchesne  |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. NA  | 19. Proposed Depth<br>13,970'                                   | 13. State<br>UT   |
| 20. BLM/BIA Bond No. on file<br>UTU0056  | 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>5742' GL | 22. Approximate date work will start*<br>2nd Quarter 2005                   |
| 23. Estimated duration<br>Approximately seven (7) days from spud to rig release.   |   |   |

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

|   |  |                  |
|---|--|------------------|
| 25. Signature<br><i>Mandie Crozier</i>            | Name (Printed/Typed)<br>Mandie Crozier                                 | Date<br>2/18/05  |
| Title<br>Regulatory Specialist                    |  |                  |
| Approved by (Signature)<br><i>Bradley G. Hill</i> | Name (Printed/Typed)<br>BRADLEY G. HILL<br>ENVIRONMENTAL SCIENTIST III | Date<br>03-02-05 |
| Title<br>Office                                   |  |                  |

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

**Federal Approval of this  
Action is Necessary**

**T9S, R16E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

S89°57'W - 79.16 (G.L.O.) 2629.56' (Measured)  
S89°57'W (G.L.O.) Basis of Bearings

1910  
Brass Cap

1910  
Brass Cap

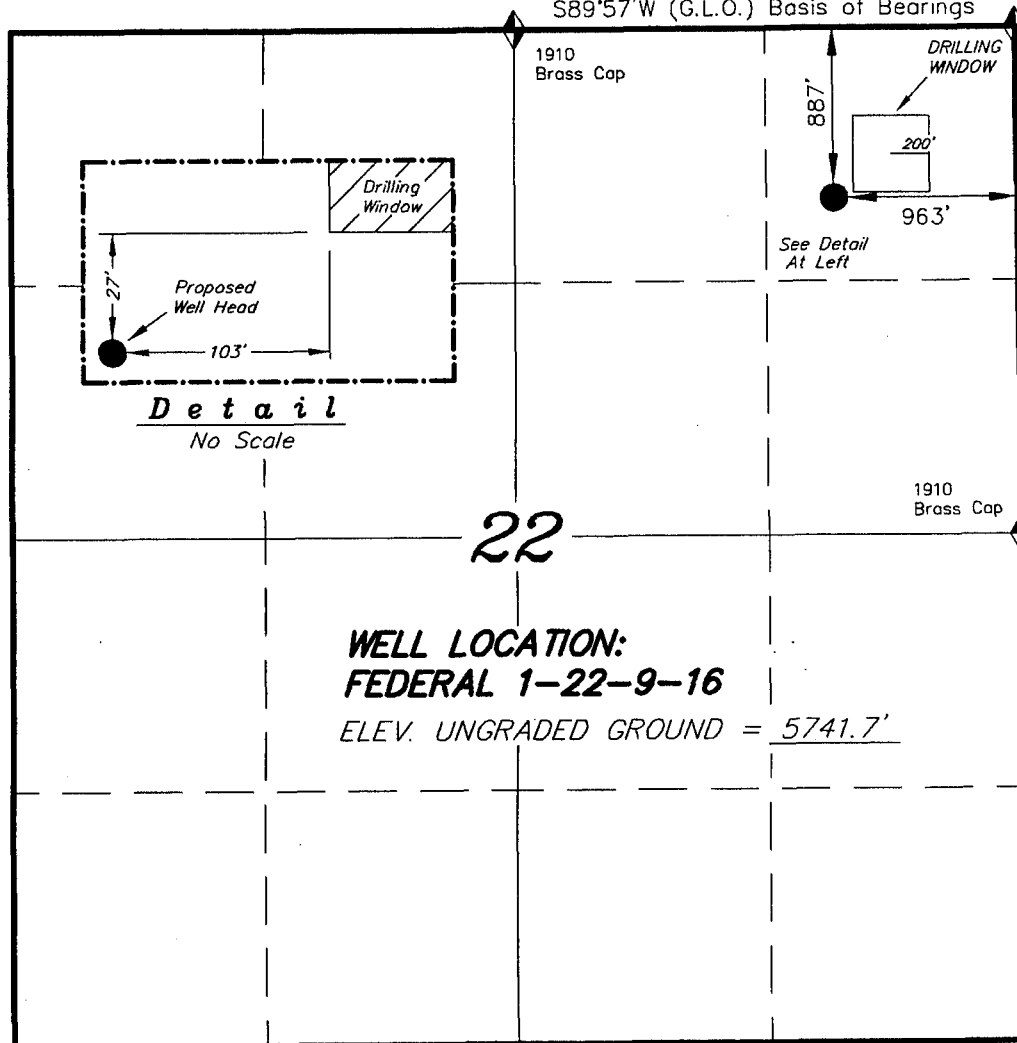
1910  
Brass Cap

N00°33'55"W - 2639.97' (Meas.)  
N00°01'W (G.L.O.)

WELL LOCATION, FEDERAL 1-22-9-16,  
LOCATED AS SHOWN IN THE NE 1/4 NE  
1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



N00°02'W (G.L.O.)



**WELL LOCATION:**  
**FEDERAL 1-22-9-16**  
ELEV. UNGRADED GROUND = 5741.7'

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

*Stacy W. Stewart*  
**STACY W. STEWART**  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 2235  
STATE OF UTAH



= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: C.M.

DATE: 12-29-04

DRAWN BY: F.T.M.

NOTES:

FILE #

Form 3160-2  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1804-0734  
Expires January 31, 2004

|   |  |  |
|---|--|--|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER  |  | 5. Lease Serial No.<br>UTU-74392   |
| 1b. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone |  | 6. If Indian, Allottee or Tribe Name<br>N/A                                      |
| 2. Name of Operator<br>Newfield Production Company  |  | 7. If Unit or CA Agreement, Name and No.<br>N/A                                  |
| 3a. Address<br>Route #3 Box 3530, Myton UT 84052  | 3b. Phone No. (include area code)<br>(435) 648-3721      | 8. Lease Name and Well No.<br>Federal 1-22-9-16                                  |
| 4. Location of Well (Report location clearly and in accordance with any State requirements.)<br>At surface NE/NE 88' FNL 98' FEL<br>At proposed prod. zone  |  | 9. API Well No.  |
| 10. Field and Pool, or Exploratory Monument Buds.   |  | 11. Sec., T., R., M., or B.M. and Survey or Area<br>NE/NE Sec. 22, T8S R16E      |
| 12. Distance in miles and direction from nearest town or post office<br>Approximately 15.8 miles southwest of Myton, Utah   |  | 12. County or Parish<br>Duchesne   |
| 13. State<br>UT   |  |  |
| 15. Distance from proposed location to nearest property or lease line, ft.<br>(Also to nearest drg. unit line, if any) Approx. 453' (see NA sheet)  | 16. No. of Acres in lease<br>2080.00                     | 17. Spacing Unit dedicated to this well<br>40 Acres                              |
| 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.<br>NA   | 19. Proposed Depth<br>13,970'                            | 20. BLM/BIA Bond No. on file<br>UTU0056  |
| 21. Elevations (Show whether DW, KDB, RT, GL, etc.)<br>5742' GL   | 22. Approximate date work will start<br>2nd Quarter 2005 | 23. Estimated duration<br>Approximately 30 days (7 days from start to 10 meters) |

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Land, the SUPO shall be filed with the appropriate Forest Service Office).

- Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
- Operator certification.
- Such other plan specific information and/or plans as may be required by the authorized officer.

|  |  |                 |
|--|--|-----------------|
| 25. Signature<br><i>Mandie Crozier</i> | Name (Printed/Typed)<br>Mandie Crozier | Date<br>2/18/05 |
| Title<br>Regulatory Specialist         |  |                 |
| Approved by (Signature)                | Name (Printed/Typed)                   | Date            |
| Title                                  | Office                                 |                 |

Application approved does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

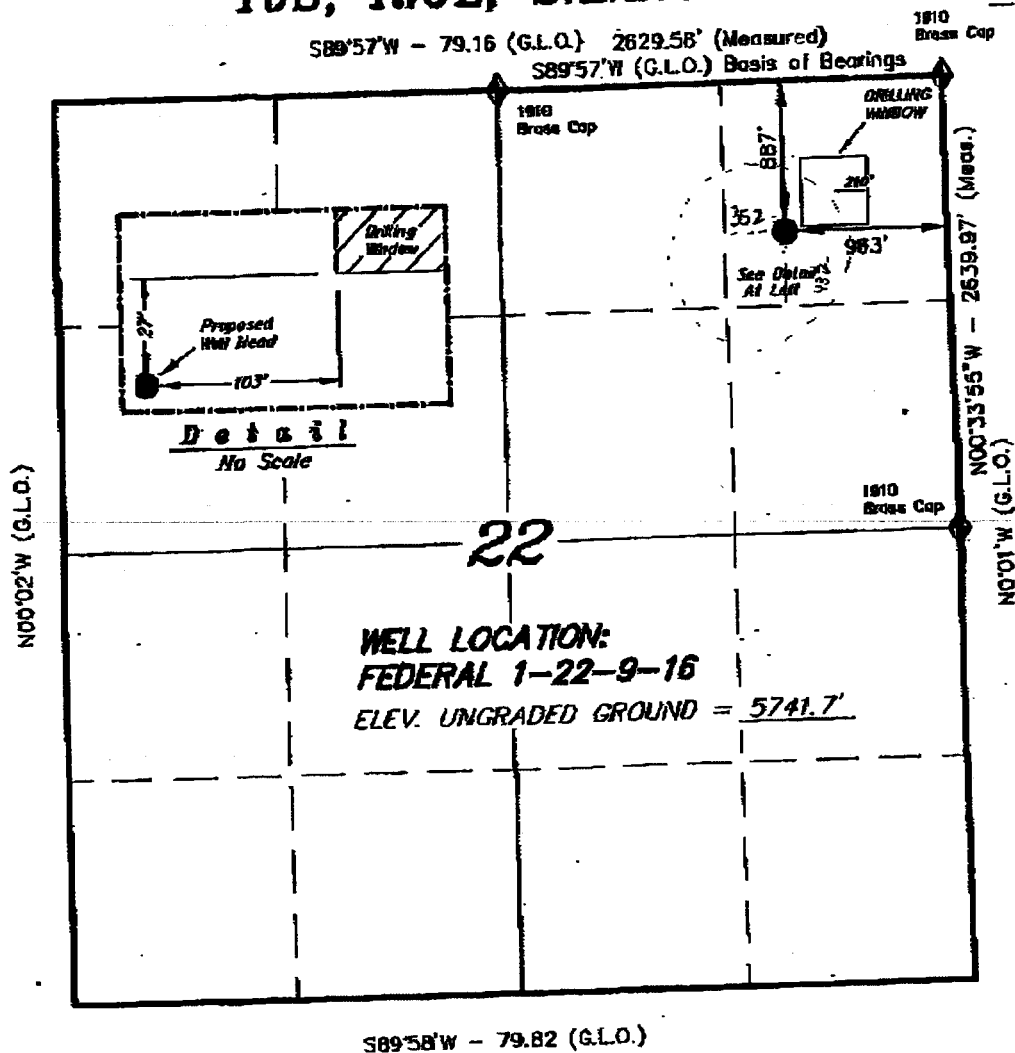
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*Instructions on reverse

# T9S, R16E, S.L.B.&M.

S89°57'W - 79.16 (G.L.O.) 2629.58' (Measured)  
S89°57'W (G.L.O.) Basis of Bearings



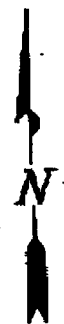
(G.L.O.) N.20.00N

S89°58'W - 79.82 (G.L.O.)

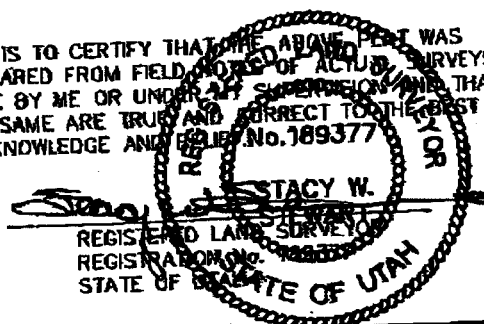
◆ = SECTION CORNERS LOCATED  
BASIS OF ELEV. U.S.G.S. 7-1/2 min QUAD (MYTON SE)

## NEWFIELD PRODUCTION COMPANY

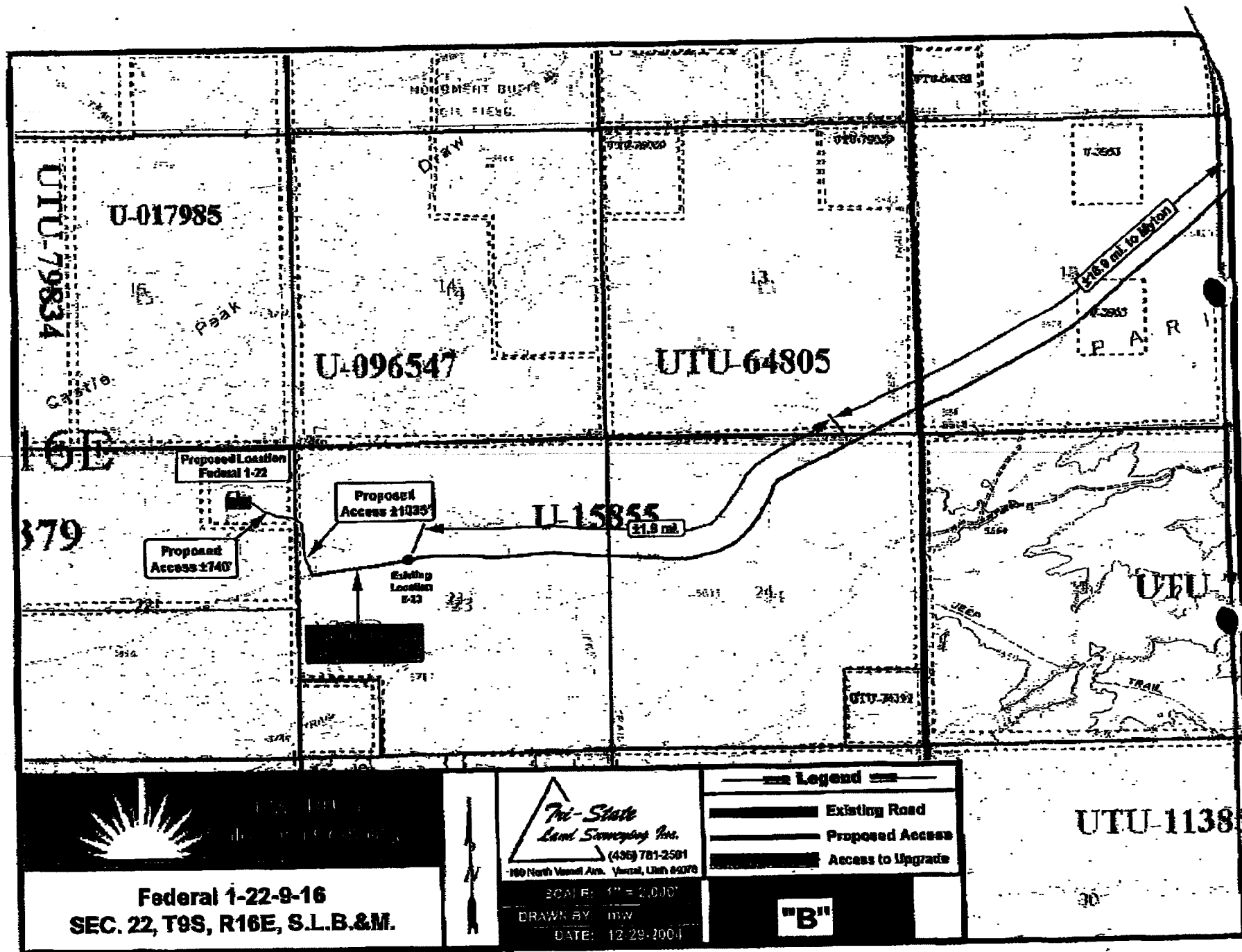
WELL LOCATION, FEDERAL 1-22-9-16,  
LOCATED AS SHOWN IN THE NE 1/4 NE  
1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



| TRI STATE LAND SURVEYING & CONSULTING                        |                   |
|--|-------------------|
| 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078<br>(435) 781-2501 |                   |
| SCALE: 1" = 1000'  | SURVEYED BY: C.M. |
| DATE: 12-29-04   | DRAWN BY: F.T.M.  |
| NOTES:   | FILE #            |





**NEWFIELD PRODUCTION COMPANY**

**FEDERAL #1-22-9-16**

**NE/NE SECTION 22, T9S, R16E**

**DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

|             |            |
|-------------|------------|
| Uinta       | 0' – 2450' |
| Green River | 2450'      |
| Wasatch     | 5950'      |
| Mesaverde   | 10540'     |
| Castlegate  | 12965'     |
| Blackhawk   | 13515'     |
| Mancos      | 13970'     |

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

|   |               |
|---|---------------|
| Green River Formation (Oil)                                   | 2450' – 5950' |
| Wasatch/Mesaverde/Castlegate/Blackhawk/Mancos Formation (Gas) | 5950' - TD    |

**4. PROPOSED CASING PROGRAM**

Please refer to the River Bend Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the River Bend Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the River Bend Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the River Bend Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the River Bend Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

Possible abnormal temperatures and/or pressures are anticipated in the lower Mesaverde and Mancos Formations. Please refer to the River Bend Field SOP for pressure control measures.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the River Bend Field SOP.

NEWFIELD PRODUCTION COMPANY  
FEDERAL #1-22-9-16  
NE/NE SECTION 22, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #1-22-9-16 located in the NE 1/4 NE 1/4 Section 22, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles  $\pm$  to it's junction with an existing road to the southwest; proceed southwesterly - 5.5 miles  $\pm$  to the existing 6-23-9-16 location; proceed westerly - 1,615'  $\pm$  along an existing two track road to be upgraded to it's junction with the beginning of the proposed access road; proceed northwesterly along the proposed access road - 1,775'  $\pm$  to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the River Bend Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the River Bend Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the River Bend Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the River Bend Field SOP.

8. ANCILLARY FACILITIES

Please refer to the River Bend Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the River Bend Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #02-135, 12/17/02. Paleontological Resource Survey prepared by, Wade E. Miller, 9/25/02. See attached report cover pages, Exhibit "D".

For the Federal #1-22-9-16 Newfield Production Company requests a 2650' ROW be granted in Lease UTU-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests a 200' ROW in Lease UTU-72106, a 550' ROW in Lease UTU-64805, a 11,180' ROW in Lease UTU-15855, and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 3" gas gathering line, a 2" poly fuel gas line, and a 10" steel gas line. The proposed pipeline will tie in to the existing Questar CP tap approximately 2.5 miles away in the SE 1/4 SE 1/4 Section 13, T9S, R16E. The proposed pipeline will follow existing developed roads or existing two track roads. In the areas that two tracks are followed, crews will set up on existing well pads for welding and a dozer will drag pipe across. There will be no surface disturbance and there will not be any road upgrades. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the River Bend Field SOP.

Newfield Production Company requests a 2,650' ROW in Lease UTU-15855 and 740' of disturbed area be granted in Lease UTU-74392 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the River Bend Field SOP.

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Golden Eagle:** Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed

between February 1 and July 15. If the nest remains inactive on July 15<sup>th</sup> (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and February 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

#### **Reserve Pit Liner**

A 12 mil liner will be required if rock is encountered. Please refer to the River Bend Field SOP.

#### **Location and Reserve Pit Reclamation**

Please refer to the River Bend Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

|                   |                               |            |
|-------------------|-------------------------------|------------|
| Shadscale         | <i>Atriplex confertifolia</i> | 3 lbs/acre |
| Garnders Saltbush | <i>Atriplex gardneri</i>      | 4 lbs/acre |
| Galleta Grass     | <i>Hilaria jamesii</i>        | 4 lbs/acre |
| Black Sage Brush  | <i>Artemisia nova</i>         | 1 lbs/acre |

#### **Details of the On-Site Inspection**

The proposed Federal #1-22-9-16 was originally on-sited on 11/5/03. It was then on-sited again on 12/23/04 to amend the originally submitted APD. The following were present; Brad Mecham (Newfield Production) and Byron Tolman (Bureau of Land Management).

### **13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

#### Representative

Name: Brad Mecham  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #1-22-9-16 NE/NE Section 22, Township 9S, Range 16E: Lease UTU-74392 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

2/18/05

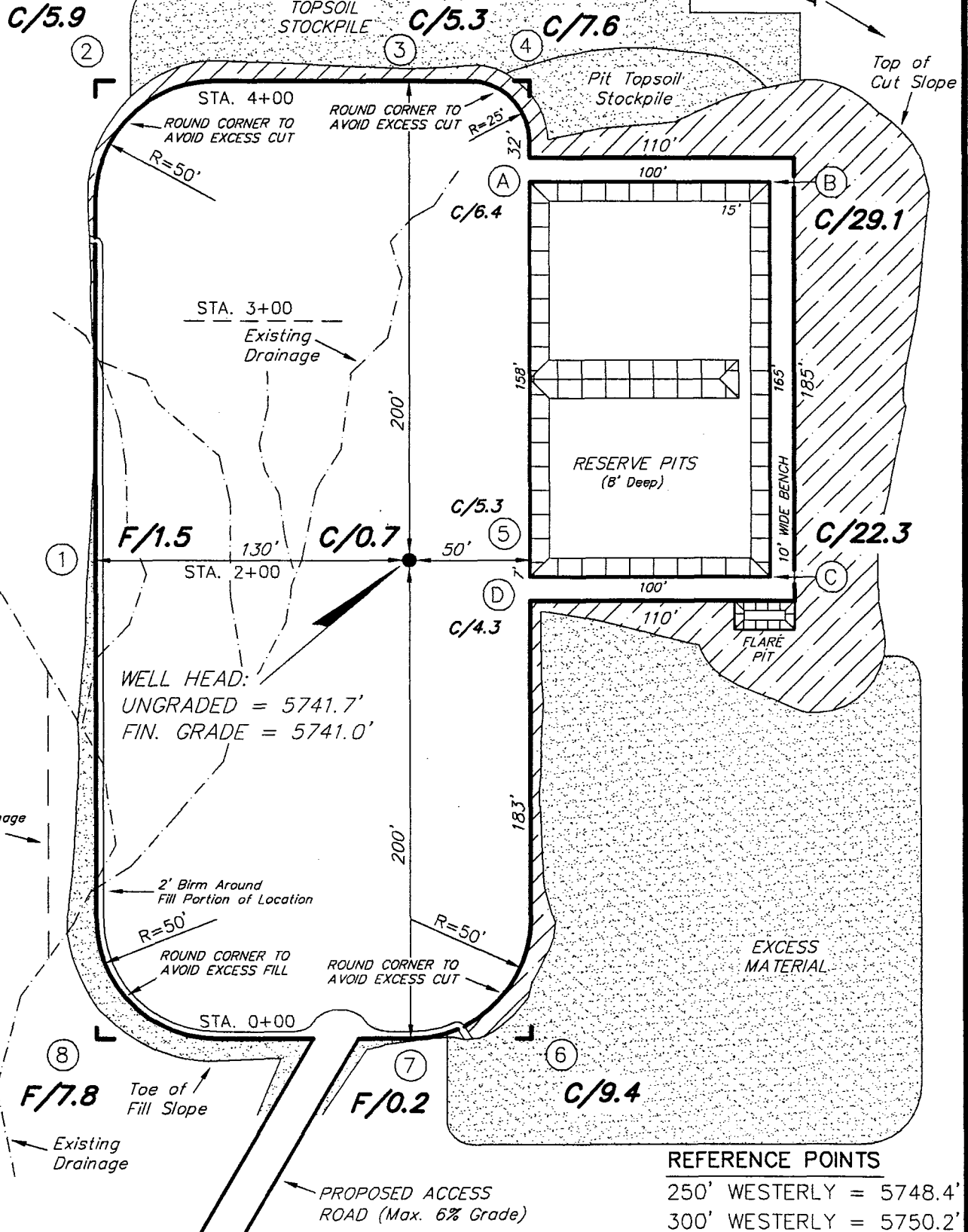
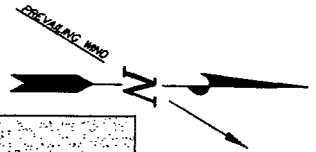
Date

  
Mandie Crozier  
Regulatory Specialist

# NEWFIELD PRODUCTION COMPANY

FEDERAL 1-22-9-16

SECTION 22, T9S, R16E, S.L.B.&M.



SURVEYED BY: C.M.

SCALE: 1" = 60'

DRAWN BY: F.T.M.

DATE: 12-29-04

Tri State  
Land Surveying, Inc.

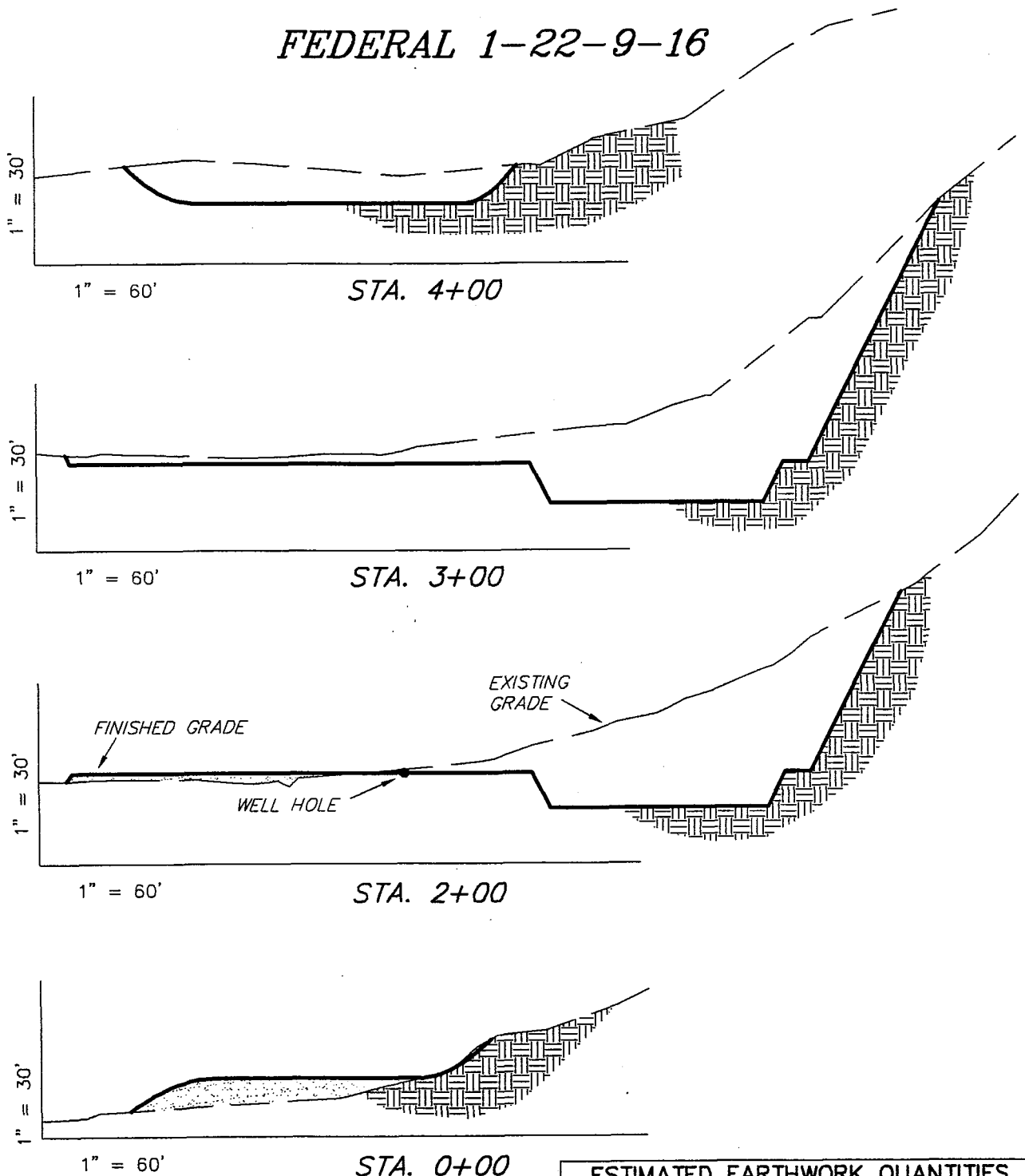
(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

FEDERAL 1-22-9-16



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

| ITEM   | CUT    | FILL  | 6" TOPSOIL                         | EXCESS |
|--------|--------|-------|------------------------------------|--------|
| PAD    | 20,910 | 4,070 | Topsoil is not included in Pad Cut | 16,840 |
| PIT    | 4,090  | 0     |                                    | 4,090  |
| TOTALS | 25,000 | 4,070 | 2070                               | 20,930 |

SURVEYED BY: C.M.

SCALE: 1" = 60'

DRAWN BY: F.T.M.

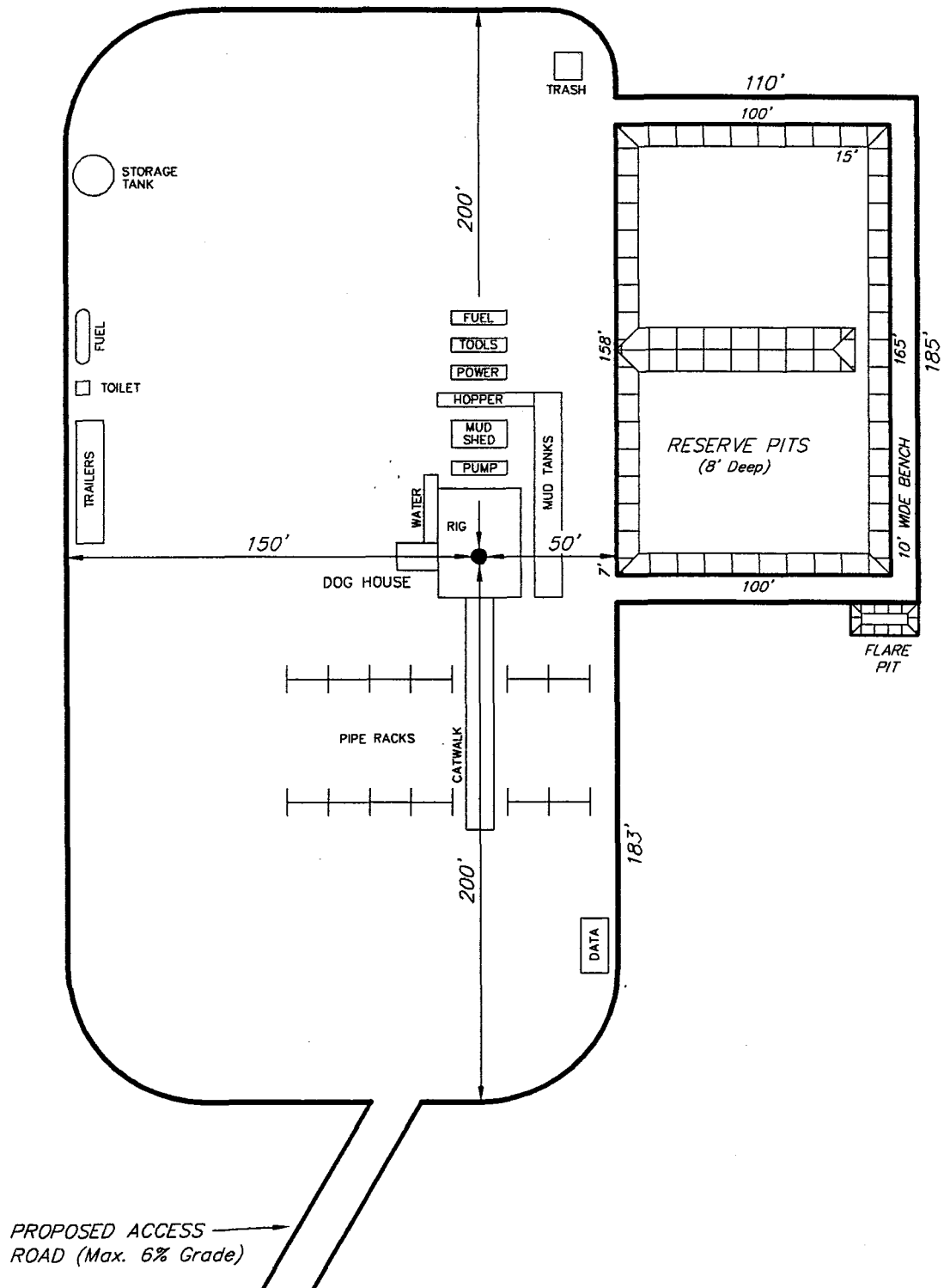
DATE: 12-29-04

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

FEDERAL 1-22-9-16



SURVEYED BY: C.M.

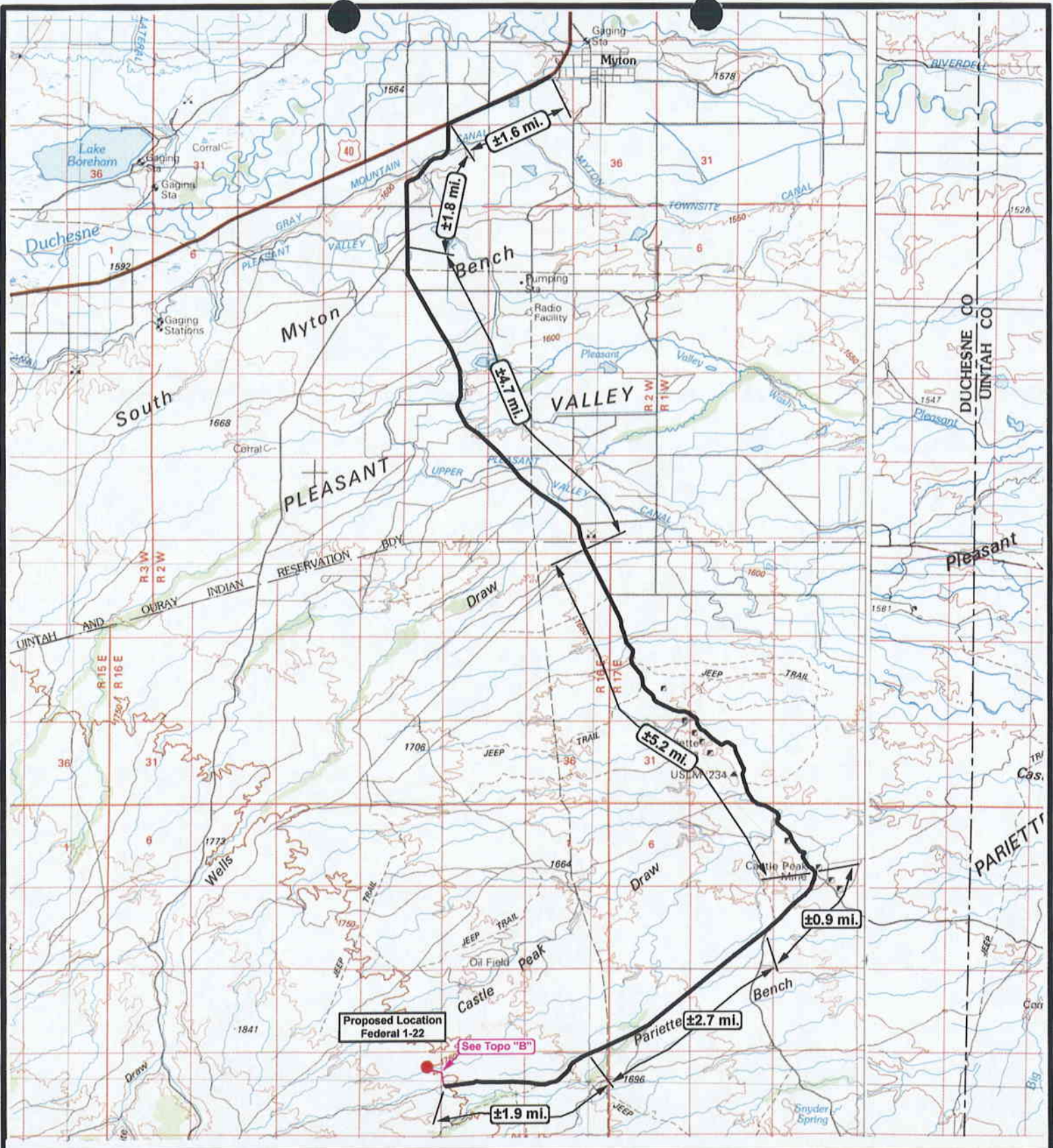
SCALE: 1" = 60'




DRAWN BY: F.T.M.

DATE: 12-29-04

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501





|  |   |   |   |
|--|---|---|---|
|  <p><b>NEWFIELD</b><br/>Exploration Company</p> |  |  <p><b>Tri-State</b><br/>Land Surveying Inc.<br/>(435) 781-2501<br/>180 North Vernal Ave. Vernal, Utah 84078</p> | <p><b>Legend</b></p>  |
| <p><b>Federal 1-22-9-16</b><br/><b>SEC. 22, T9S, R16E, S.L.B.&amp;M.</b></p>   |   | <p>SCALE: 1 = 100,000<br/>DRAWN BY: mw<br/>DATE: 12-29-2004</p>   | <p>Existing Road<br/>Proposed Access</p> <p>TOPOGRAPHIC MAP</p> <p><b>"A"</b></p> |

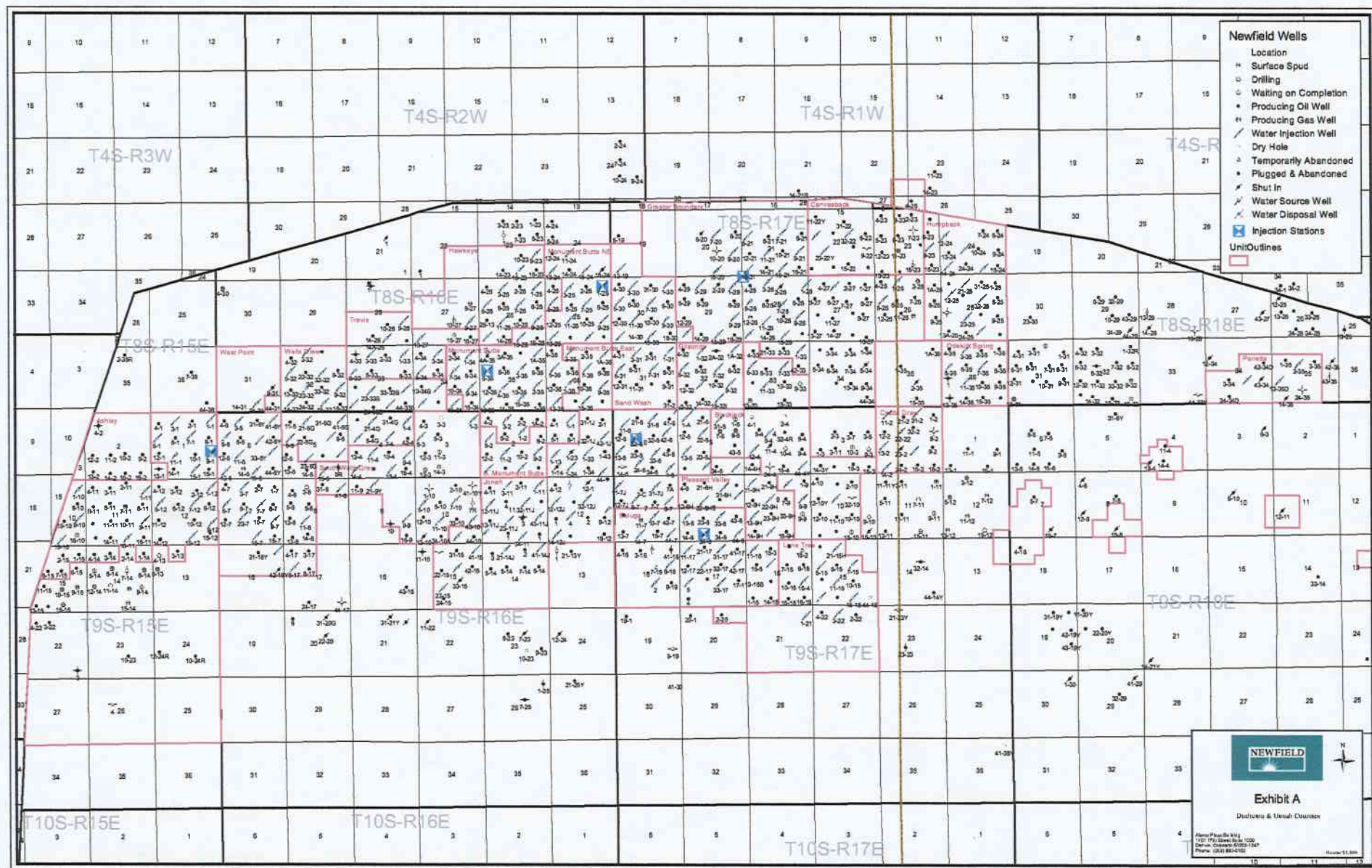




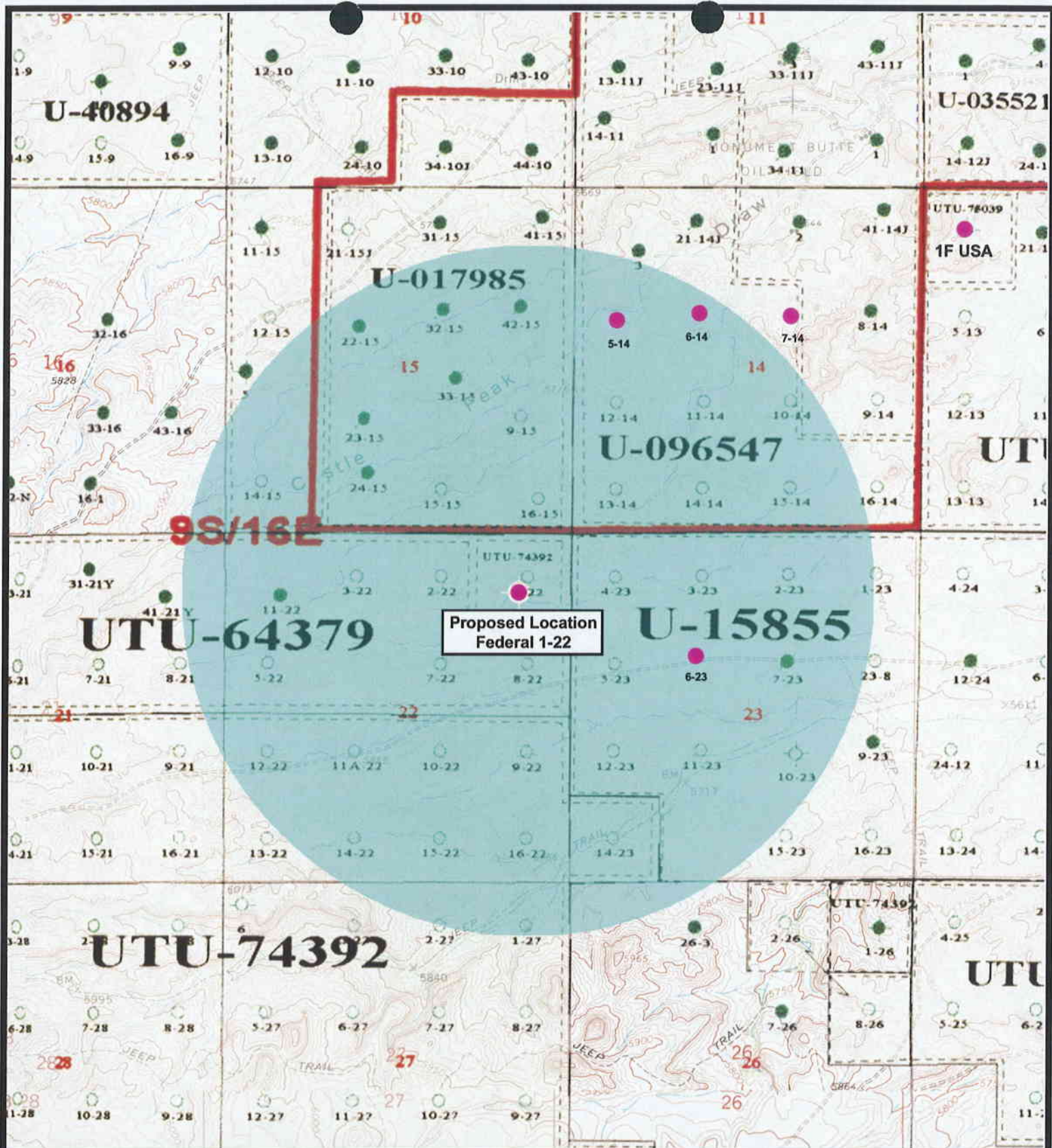













Proposed Location  
Federal 1-22



**NEWFIELD**  
Exploration Company

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**





**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mw  
DATE: 12-29-2004

**Legend**

- Well Locations
- One-Mile Radius

**Exhibit "B"**

# 2-M SYSTEM

Blowout Prevention Equipment Systems

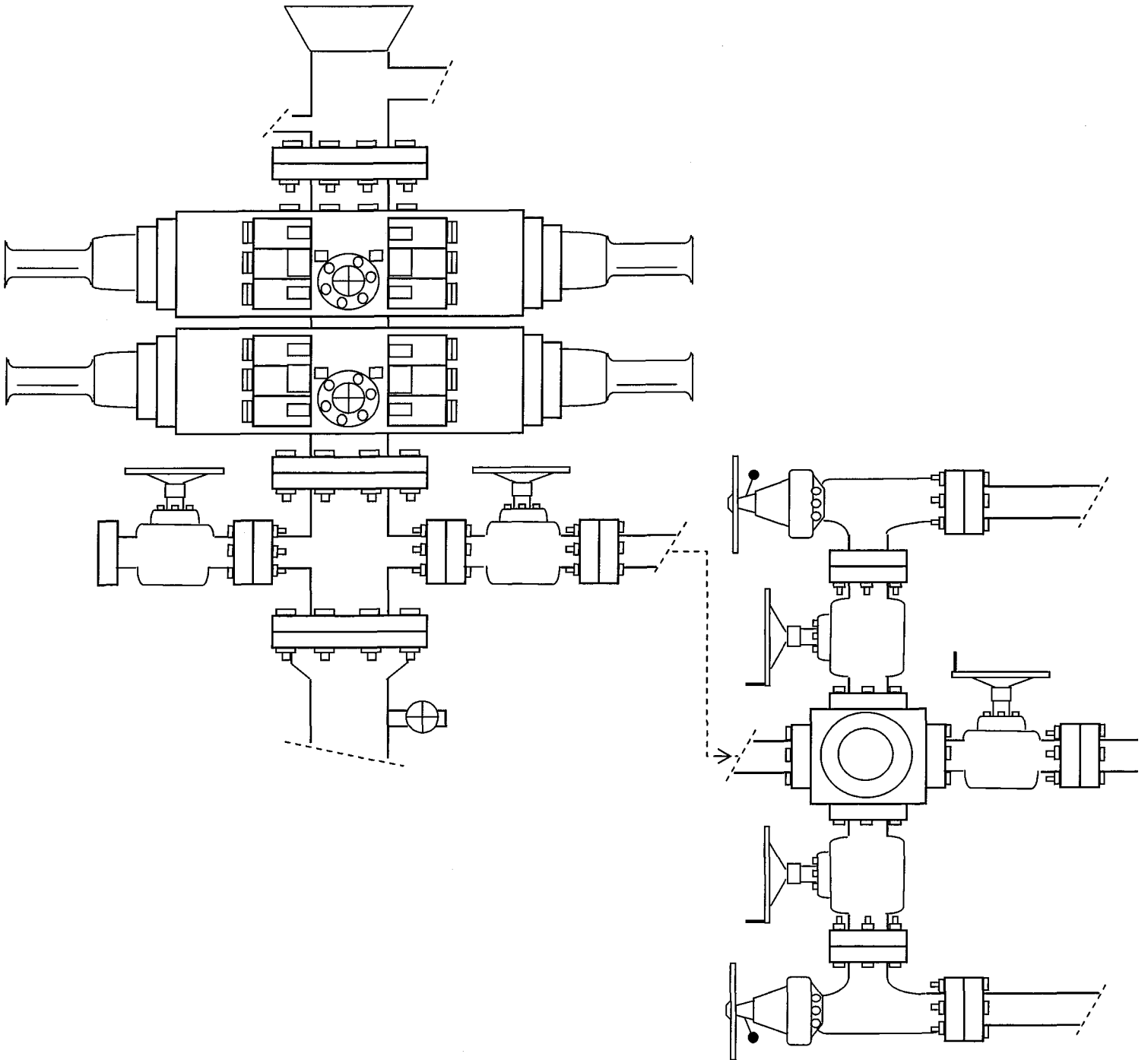


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES'  
FOURTEEN BLOCK PARCELS WITH ACCESS ROUTES AND  
PIPELINE CORRIDORS, IN DUCHESNE AND  
UINTAH COUNTIES, UTAH

by

Sarah Ball  
and  
Keith R. Montgomery

Prepared For:

Bureau of Land Management  
Vernal Field Office  
Vernal, Utah

and

State of Utah  
School and Institutional Trust Lands Administration

Prepared Under Contract With:

Inland Resources, Inc.  
410 17<sup>th</sup> Street, Suite 700  
Denver, CO 80202

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report NO. [02-135]

December 17, 2002

United States Department of Interior (FLPMA)  
Permit No. 02-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-02-MQ-0586b,s

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE AND Uintah COUNTIES, UTAH**

(NE & SE 1/4, Sec. 2, - SW, SW 1/4, Sec. 15, - NW, NW 1/4 & NE, SE 1/4, Sec. 22,  
SE 1/4, Sec. 23, - NE, SW 1/4, Sec. 24, - NE, SW 1/4, Sec. 27, T 9 S, R 15 E.  
SE, SE 1/4, Sec. 20 - SW 1/4, Sec. 29 - SE, SE 1/4, Sec. 30 - NE, NE 1/4, Sec. 31,  
T 8 S, R 16 E. NE, SW 1/4, Sec. 20, - NE, NE 1/4, Sec. 22, T 9 S, R 16 E, Duchesne  
County. NW, NE 1/4, Sec. 25, T 9 S, R 17 E. SW 1/4, Sec. 6, - NW 1/4, Sec. 1,  
NW 1/4, Sec. 14, - NW, NE 1/4, Sec. 23, T 9 S, R 18 E, Uintah County.)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
September 25, 2002



## WORKSHEET

## APPLICATION FOR PERMIT TO DRILL

009

APD RECEIVED: 02/23/2005

API NO. ASSIGNED: 43-013-32612

WELL NAME: FEDERAL 1-22-9-16

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

**AMENDED**

## PROPOSED LOCATION:

NENE 22 090S 160E

SURFACE: 0887 FNL 0963 FEL

BOTTOM: 0887 FNL 0963 FEL

DUCHESNE

MONUMENT BUTTE ( 105 )

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74392

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MNCS

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LATITUDE: 40.02111

LONGITUDE: -110.0988

## RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTU0056 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. MUNICIPAL )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

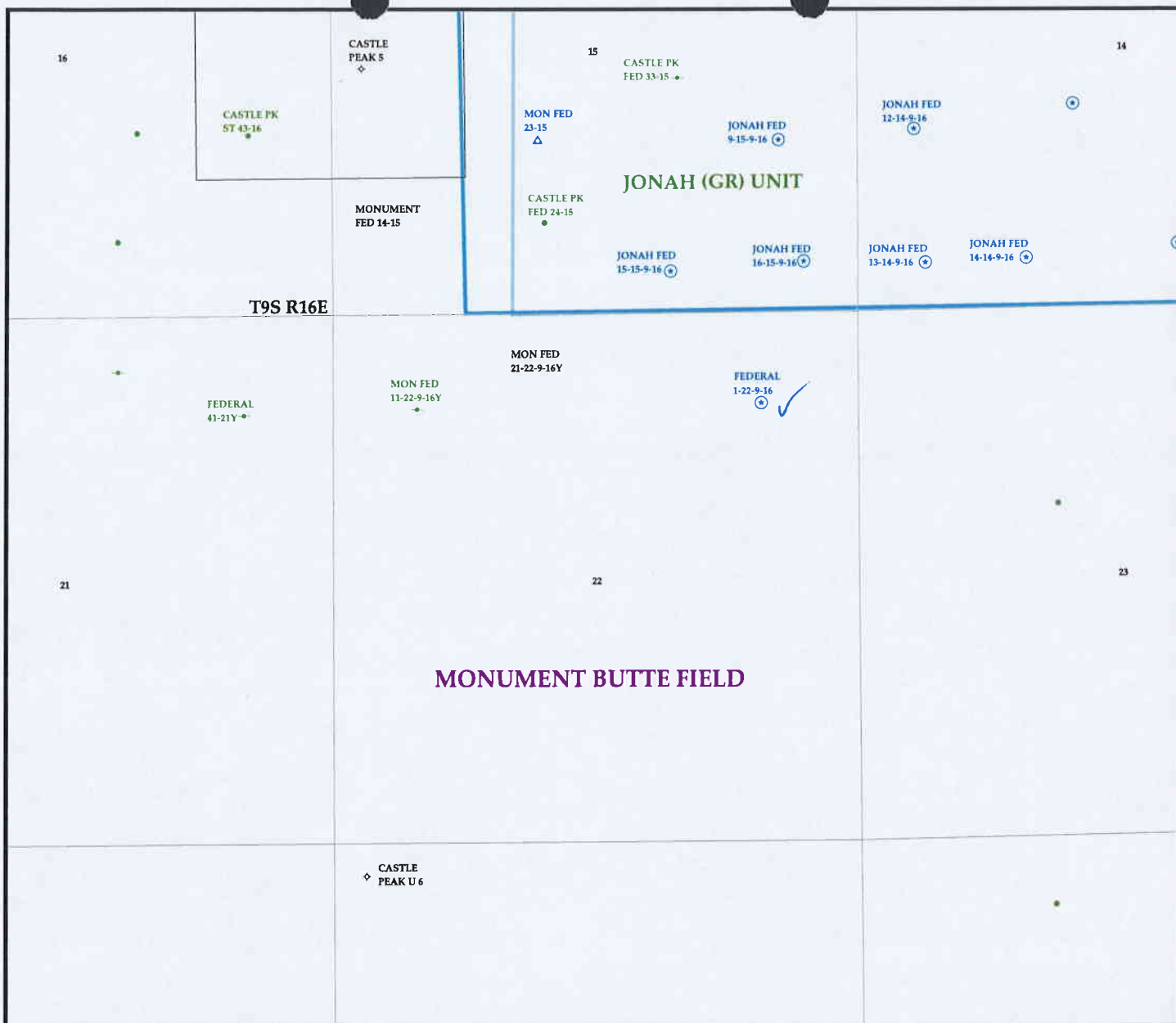
\_\_\_ R649-2-3.  
Unit \_\_\_\_\_  
\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
☒ R649-3-3. Exception  
\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_  
\_\_\_ R649-3-11. Directional Drill

## COMMENTS:

*Sop, Superint. file*

## STIPULATIONS:

*1- Federal Approval*  
*2- Spacing Strip*



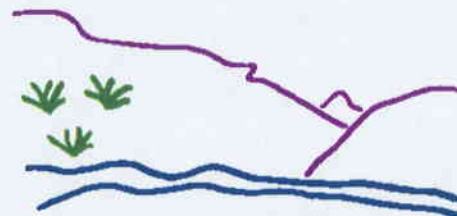
OPERATOR- NEWFIELD PROD CO (N2695)

SEC. 22 T.9S R.16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-3 / EXCEPTION LOCATION



Utah Oil Gas and Mining

| Wells                 | Units.shp    | Fields.shp |
|-----------------------|--------------|------------|
| ✱ GAS INJECTION       | EXPLORATORY  | ABANDONED  |
| ⊙ GAS STORAGE         | GAS STORAGE  | ACTIVE     |
| ✕ LOCATION ABANDONED  | NF PP OIL    | COMBINED   |
| ⊕ NEW LOCATION        | NF SECONDARY | INACTIVE   |
| ⬢ PLUGGED & ABANDONED | PENDING      | PROPOSED   |
| ⊙ PRODUCING GAS       | PI OIL       | STORAGE    |
| ⊙ PRODUCING OIL       | PP GAS       | TERMINATED |
| ⊙ SHUT-IN GAS         | PP GEOTHERML |            |
| ⊙ SHUT-IN OIL         | PP OIL       |            |
| ✕ TEMP. ABANDONED     | SECONDARY    |            |
| ⊙ TEST WELL           | TERMINATED   |            |
| ⬢ WATER INJECTION     |              |            |
| ⬢ WATER SUPPLY        |              |            |
| ⬢ WATER DISPOSAL      |              |            |



PREPARED BY: DIANA WHITNEY  
DATE: 24-FEBRUARY-2005

007

## NEWFIELD



March 1, 2005

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

**AMENDED**

Re: Exception Location: Federal 1-22-9-16  
887'FNL, 963' FEL NENE Sec 22-T9S-R16E  
Duschene County, Utah; Lease U-74392

Dear Ms. Whitney:


Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 103' west and 27' south of the drilling window tolerance for the NENE of Sec 22, T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected in order to comply with federal lease stipulation conditions. The requested location has been selected due to the extreme terrain.

Please note the location is completely within Federal lease U-74392. The drillsite lease and all surrounding acreage within a four hundred sixty (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners and their consent to this location exception is attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

  
Latrice Descau  
Properties Administrator

**State of Utah****Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

March 2, 2005  
Amended

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Federal 1-22-9-16 Well, 887' FNL, 963' FEL, NE NE, Sec. 22, T. 9 South,  
R. 16 East, Duchesne County, Utah

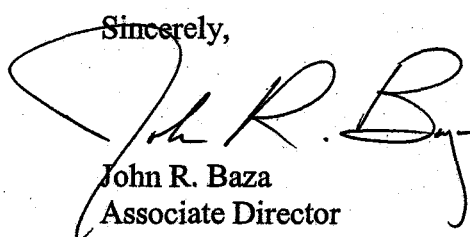
Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32612.

Sincerely,

  
John R. Baza  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company  
Well Name & Number Federal 1-22-9-16  
API Number: 43-013-32612  
Lease: UTU-74392

Location: NE NE Sec. 22 T. 9 South R. 16 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

NEWFIELD



RECEIVED

MAR 04 2005

DIV. OF OIL, GAS &amp; MINING

March 1, 2005

Utah Division of Oil, Gas & Mining  
P.O. Box 145801  
Attn: Diana Whitney  
Salt Lake City, Utah 84114-5801

**AMENDED**

Re: Exception Location: Federal 1-22-9-16  
887'FNL, 963' FEL NENE Sec 22-T9S-R16E  
Dusche County, Utah; Lease U-74392

Dear Ms. Whitney:

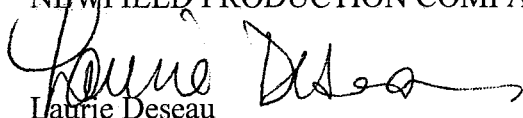
Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company, Inc. hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 103' west and 27' south of the drilling window tolerance for the NENE of Sec 22, T9S-R16E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected in order to comply with federal lease stipulation conditions. The requested location has been selected due to the extreme terrain.

Please note the location is completely within Federal lease U-74392. The drillsite lease and all surrounding acreage within a four hundred sixty (460') radius of the proposed location is owned by Newfield Production Company, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation. We have contacted the additional owners and their consent to this location exception is attached.

If you have any questions or need additional information please contact me at (303)-382-4448. Thank you for your assistance in this matter.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

  
Laurie Deseau  
Properties Administrator

Form 3160-3  
(September 2001)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-74392

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

N/A

8. Lease Name and Well No.

Federal 1-22-9-16

9. API Well No.

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Bk. and Survey or Area

NE/NE Sec. 22, T9S R16E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL☐ REENTER1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other☐ Single Zone ☒ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface NE/NE 887' PNL 963' FEL

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*

Approximately 18.8 miles southwest of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 433' file, NA limit

16. No. of Acres in lease

2080.00

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft.

NA

19. Proposed Depth

13,970'

20. BLM/BIA Bond No. on file

UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5742' GL

22. Approximate date work will start\*

2nd Quarter 2005

23. Estimated duration

Approximately seven (7) days from start to rig release.

## 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

*Mandie Crozier*

Name (Printed/Typed)

Mandie Crozier

Date

2/18/05

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

MAR 04 2005

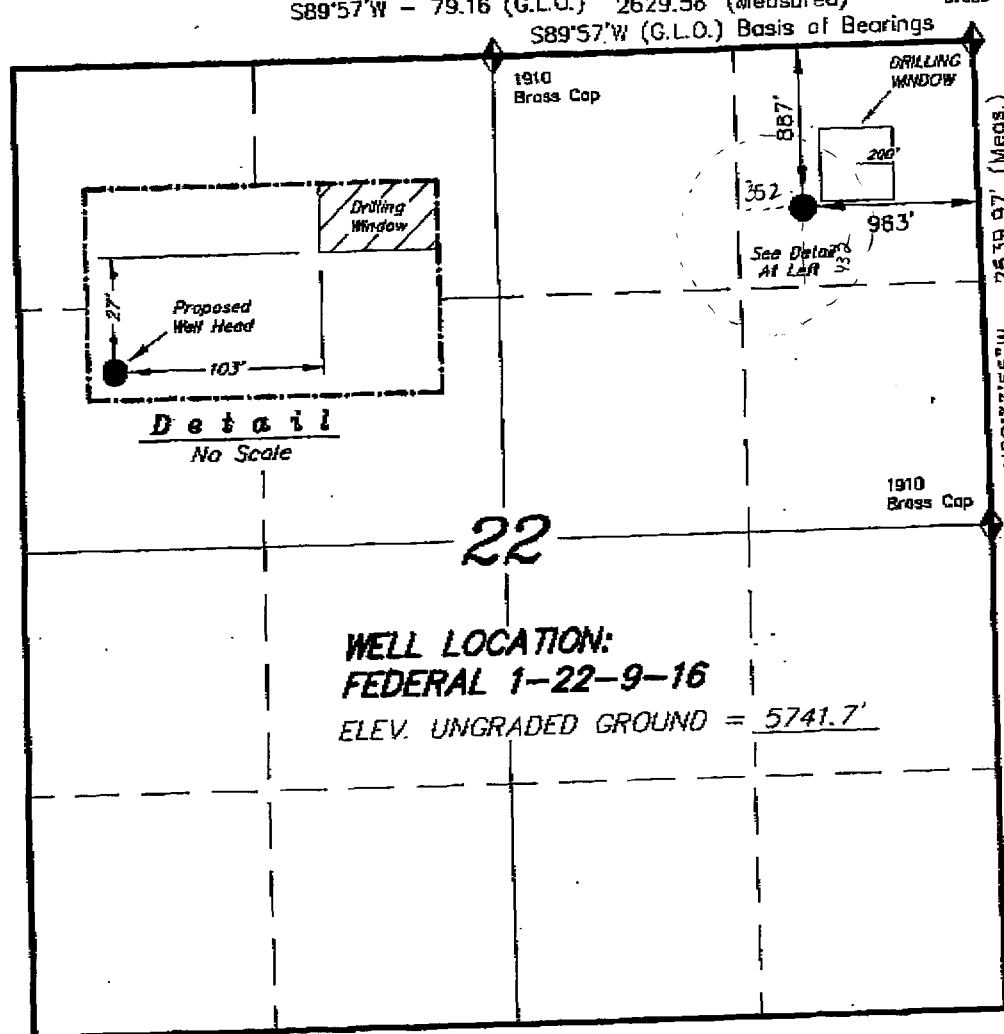
DIV. OF OIL, GAS &amp; MINING



**T9S, R16E, S.L.B.&M.**

S89°57'W - 79.16 (G.L.O.) 2629.56' (Measured)  
S89°57'W (G.L.O.) Basis of Bearings

1910  
Brass Cap



(Meas.) 68°55'52" - W 55°55'52" ON  
(G.L.O.) N.10.00N

1910  
Brass Cap

**WELL LOCATION:**  
**FEDERAL 1-22-9-16**  
ELEV. UNGRADED GROUND = 5741.7'

S89°58'W - 79.82 (G.L.O.)

◆ = SECTION CORNERS LOCATED

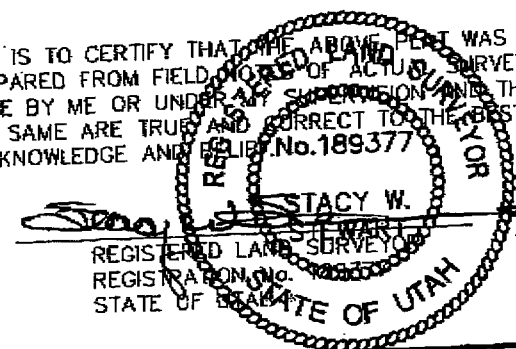
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, FEDERAL 1-22-9-16,  
LOCATED AS SHOWN IN THE NE 1/4 NE  
1/4 OF SECTION 22, T9S, R16E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.

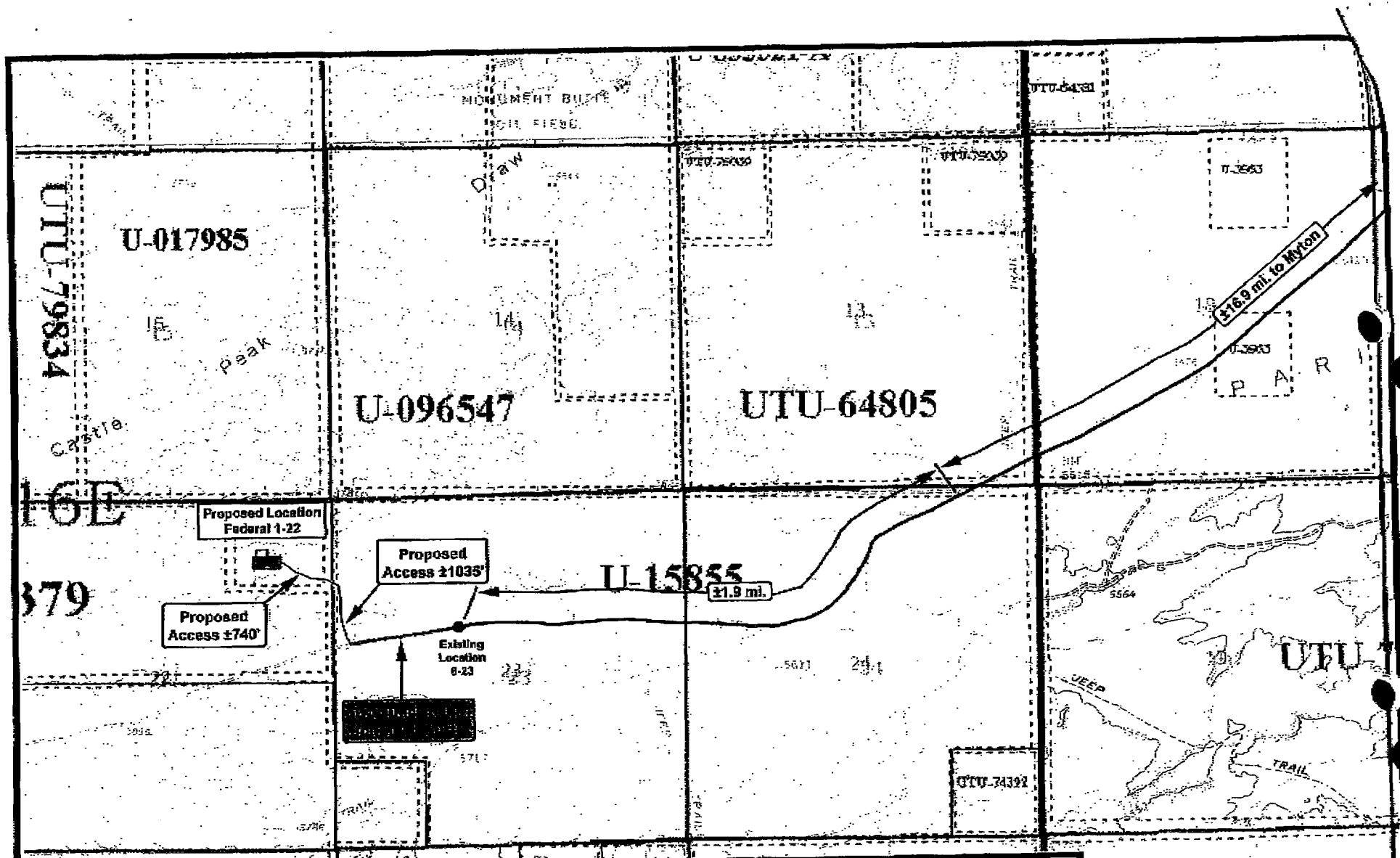


THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

|                   |                   |
|-------------------|-------------------|
| SCALE: 1" = 1000' | SURVEYED BY: C.M. |
| DATE: 12-29-04    | DRAWN BY: F.T.M.  |
| NOTES:            | FILE #            |



NEWFIELD  
Exploration Company

**Federal 1-22-9-16**  
**SEC. 22, T9S, R16E, S.L.B.&M.**



*Tri-State*  
*Land Surveying Inc.*  
(435) 781-2501  
180 North Vernal Ave., Vernal, Utah 84078

SCALE: 1" = 2,000'  
DRAWN BY: mhw  
DATE: 12-29-2004

| Legend |                   |
|--------|-------------------|
|        | Existing Road     |
|        | Proposed Access   |
|        | Access to Upgrade |

**"B"**

UTU-1138

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

013

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

|  |   |   |
|--|---|---|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER   |   | 5. Lease Serial No.<br>UTU-74392  |
| 1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone |   | 6. If Indian, Allottee or Tribe Name<br>N/A                                 |
| 2. Name of Operator<br>Newfield Production Company   |   | 7. If Unit or CA Agreement, Name and No.<br>N/A                             |
| 3a. Address<br>Route #3 Box 3630, Myton UT 84052   | 3b. Phone No. (include area code)<br>(435) 646-3721       | 8. Lease Name and Well No.<br>Federal 1-22-9-16                             |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface NE/NE 887' FNL 963' FEL<br>At proposed prod. zone   |   | 9. API Well No.<br>43-013-324012  |
| 14. Distance in miles and direction from nearest town or post office*<br>Approximatley 18.8 miles southwest of Myton, Utah   |   | 10. Field and Pool, or Exploratory<br>Monument Butte                        |
| 15. Distance from proposed*<br>location to nearest<br>property or lease line, ft.<br>(Also to nearest drig. unit line, if any) Approx. 433' f/lee, NA f/unit   | 16. No. of Acres in lease<br>2080.00                      | 11. Sec., T., R., M., or Blk. and Survey or Area<br>NE/NE Sec. 22, T9S R16E |
| 18. Distance from proposed location*<br>to nearest well, drilling, completed,<br>applied for, on this lease, ft. NA  | 19. Proposed Depth<br>13,970'                             | 12. County or Parish<br>Duchesne  |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>5742' GL  | 22. Approximate date work will start*<br>2nd Quarter 2005 | 13. State<br>UT   |
| 17. Spacing Unit dedicated to this well<br>40 Acres  |   |   |
| 20. BLM/BIA Bond No. on file<br>UT/0056  |   |   |
| 23. Estimated duration<br>Approximately seven (7) days from spud to rig release.   |   |   |

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

|   |  |                    |
|---|--|--------------------|
| 25. Signature<br><i>Mandie Crozier</i>                | Name (Printed/Typed)<br>Mandie Crozier | Date<br>2/18/05    |
| Title<br>Regulatory Specialist                        |  |                    |
| Approved by (Signature)<br><i>Thomas B. Chavert</i>   | Name (Printed/Typed)                   | Date<br>05/18/2005 |
| Title<br>Assistant Field Manager<br>Mineral Resources | Office                                 |                    |

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

UDOGM

RECEIVED

MAY 24 2005

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Newfield Production Company.

Well Name & Number: Federal 1-22-9-16

API Number: 43-013-32612

Lease Number: U-74392

Location: NENE Sec. 22 T. 9S R. 16E

Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL FOR NOTICE TO DRILL**

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

As a minimum requirement, the cement behind the production casing must extend a minimum of 200' above the top of any potentially productive zone.

The proposed production casing does not meet the minimum requirement for collapse. The collapse design factor for the production casing must be 1.125 or greater.

**Please submit an electronic copy of all logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).**

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874  
Petroleum Engineer

Michael Lee (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

**THERE ARE NO ADDITIONAL CONDITIONS FOR THE SURFACE USE PROGRAM.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**NEWFIELD PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**877 FNL 963 FEL NE/NE Section 22, T9S R16E**

5. Lease Designation and Serial No.

**UTU-74392**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**N/A**

8. Well Name and No.

**FEDERAL 1-22-9-16**

9. API Well No.

**43-013-32612**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT.**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Permit Extension**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 10/18/04 (expiration 10/18/05).

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-18-05  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 10-20-05  
Initials: CMO

14. I hereby certify that the foregoing is true and correct

Signed

*Mandie Crozier*  
Mandie Crozier

Title

Regulatory Specialist

Date

10/11/2005

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

CC: Utah DOGM

RECEIVED

OCT 13 2005

Date

DIV OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RESET

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-32612  
**Well Name:** Federal 1-22-9-16  
**Location:** NE/NE Section 22, T9S R16E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 10/18/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Mandie Crozier  
Signature

10/10/2005  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

**RECEIVED**  
**OCT 13 2005**  
DIV. OF OIL, GAS & MINING



## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: FEDERAL 1-22-9-16

Api No: 43-013-32612 Lease Type: FEDERAL

Section 22 Township 09S Range 16E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 24

### **SPUDDED:**

Date 12/26/05

Time 9:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by JUSTIN CRUM

Telephone # 1-435-823-6733

Date 12/27/2005 Signed CHD

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84062

OPERATOR ACCT. NO. N2695

| ACTION CODE                                  | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER   | WELL NAME                   | WELL LOCATION |    |    |     |          | SPUD DATE | EFFECTIVE DATE |
|--|--------------------|----------------|--------------|-----------------------------|---------------|----|----|-----|----------|-----------|----------------|
|  |                    |                |              |                             | QQ            | SC | TP | RG  | COUNTY   |           |                |
| ✓ B  | 99999              | 14844          | 43-047-35842 | FEDERAL 15-9-9-18           | SWSE          | 9  | 9S | 18E | UINTAH   | 12/15/05  | 1/5/06         |
| WELL COMMENTS: <i>GRUV Sundance Unit</i> — J |                    |                |              |                             |               |    |    |     |          |           |                |
| ✓ B  | 99999              | 12391          | 43-013-32784 | GREATER BOUNDARY 11-20-8-17 | SWNE          | 20 | 8S | 17E | DUCHESNE | 12/16/05  | 1/5/06         |
| WELL COMMENTS: <i>GRUV</i> — J               |                    |                |              |                             |               |    |    |     |          |           |                |
| ✓ B  | 99999              | 14844          | 43-047-35766 | FEDERAL 5-9-9-18            | SWNW          | 9  | 9S | 18E | UINTAH   | 12/19/05  | 1/5/06         |
| WELL COMMENTS: <i>GRUV Sundance Unit</i> — J |                    |                |              |                             |               |    |    |     |          |           |                |
| ✓ B  | 99999              | 14844          | 43-047-38161 | FEDERAL 9-7-9-18            | NESE          | 7  | 9S | 18E | UINTAH   | 12/21/05  | 1/5/06         |
| WELL COMMENTS: <i>GRUV Sundance Unit</i> — J |                    |                |              |                             |               |    |    |     |          |           |                |
| ✓ B  | 99999              | 14844          | 43-047-36050 | FEDERAL 6-9-9-18            | SENW          | 9  | 9S | 18E | UINTAH   | 12/21/05  | 1/5/06         |
| WELL COMMENTS: <i>GRUV Sundance Unit</i> — J |                    |                |              |                             |               |    |    |     |          |           |                |
| A  | 99999              | 15124          | 43-013-32612 | FEDERAL 1-22-9-16           | NENE          | 22 | 9S | 18E | DUCHESNE | 12/26/05  | 1/5/06         |
| WELL COMMENTS: <i>m NCS</i> — J              |                    |                |              |                             |               |    |    |     |          |           |                |

ACTION CODES (See instructions on back of form)

- A - Establish new entity for unleased (single well only)
- B - Add new well to existing entity (group or individual well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

*Kim Kett*  
Signature \_\_\_\_\_ Kim Kett  
Production Clerk  
Title \_\_\_\_\_

RECEIVED  
JAN 04 2006

DIV. OF OIL, GAS & MINING

01/04/2006 13:50

4356463831

INLAND

PAGE 02

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
887 FNL 963 FEL  
NE/NE Section 22 T9S R16E

5. Lease Serial No.

UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 1-22-9-16

9. API Well No.

4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                               |   |  |   |
|--|--|---|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize             | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production(Start/Resume)  | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing        | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other _____    |
|  | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon       |   |
|  | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input checked="" type="checkbox"/> Water Disposal |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

01/20/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**JAN 23 2006**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

|  |  |   |
|--|--|---|
| 1. Type of Well<br><input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other |  | 5. Lease Serial No.<br>UTU74392                           |
| 2. Name of Operator<br>Newfield Production Company   |  | 6. If Indian, Allottee or Tribe Name.                     |
| 3a. Address Route 3 Box 3630<br>Myton, UT 84052  | 3b. Phone No. (include are code)<br>435.646.3721 | 7. If Unit or CA/Agreement, Name and/or No.               |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>887 FNL 963 FEL<br>NE/NE Section 22 T9S R16E           |  | 8. Well Name and No.<br>FEDERAL 1-22-9-16                 |
|  |  | 9. API Well No.<br>4301332612                             |
|  |  | 10. Field and Pool, or Exploratory Area<br>Monument Butte |
|  |  | 11. County or Parish, State<br>Duchesne, UT               |

**12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                               |   |   |   |
|---|--|---|---|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize             | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production(Start/Resume) | <input type="checkbox"/> Water Shut-Off         |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing        | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation              | <input type="checkbox"/> Well Integrity         |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete               | <input checked="" type="checkbox"/> Other _____ |
|   | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon      | Spud Notice                                     |
|   | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal           |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12-26-2005 MIRU Ross # 24. Spud well @ 9:00 AM. Drill 325' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 327.33' KB On 12-27-05 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

|   |                           |
|---|---------------------------|
| I hereby certify that the foregoing is true and correct<br>Name (Printed/ Typed)<br>Troy Zufelt | Title<br>Drilling Foreman |
| Signature<br>   | Date<br>12/28/2005        |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|  |                 |      |
|--|-----------------|------|
| Approved by<br>Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Title<br>Office | Date |
|--|-----------------|------|

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

**RECEIVED**

**JAN 09 2006**

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 327.33

LAST CASING 8 5/8" set @ 327.33  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 325' LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company  
 WELL Federal 1-22-9-16  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 24

| LOG OF CASING STRING:                                 |        |   |            |                             |                          |       |               |          |
|---|--------|---|------------|-----------------------------|--------------------------|-------|---------------|----------|
| PIECES  | OD     | ITEM - MAKE - DESCRIPTION   | WT / FT    | GRD                         | THREAD                   | CONDT | LENGTH        |          |
|   |        |   |            |                             |                          |       |               |          |
|   |        |   |            |                             |                          |       |               |          |
|   |        | Shoe Joint 45.23'   |            |                             |                          |       |               |          |
|   |        | WHI - 92 csg head   |            |                             | 3rd                      | A     | 0.95          |          |
| 7   | 8 5/8" | Maverick ST&C csg   | 24#        | J-55                        | 3rd                      | A     | 315.48        |          |
|   |        | <b>GUIDE</b> shoe   |            |                             | 3rd                      | A     | 0.9           |          |
| CASING INVENTORY BAL.                                 |        | FEET  | JTS        | TOTAL LENGTH OF STRING      |                          |       | 317.33        |          |
| TOTAL LENGTH OF STRING                                |        | 317.33  | 7          | LESS CUT OFF PIECE          |                          |       | 2             |          |
| LESS NON CSG. ITEMS                                   |        | 1.85  |            | PLUS DATUM TO T/CUT OFF CSG |                          |       | 12            |          |
| PLUS FULL JTS. LEFT OUT                               |        | 0   |            | CASING SET DEPTH            |                          |       | <b>327.33</b> |          |
| TOTAL   |        | 315.48  | 7          | } COMPARE                   |                          |       |               |          |
| TOTAL CSG. DEL. (W/O THRDS)                           |        | 315.48  | 7          |                             |                          |       |               |          |
| TIMING  |        | 1ST STAGE   |            |                             |                          |       |               |          |
| BEGIN RUN CSG.  |        | Spud  | 12/26/2005 | 9:00 AM                     | GOOD CIRC THRU JOB       |       |               | Yes      |
| CSG. IN HOLE  |        |   | 12/27/2005 | 12:30 PM                    | Bbls CMT CIRC TO SURFACE |       |               | 4        |
| BEGIN CIRC  |        |   | 12/27/2005 | 1:58 PM                     | RECIPROCATED PIPE FOR    |       |               | N/A      |
| BEGIN PUMP CMT  |        |   | 12/27/2005 | 2:00 PM                     |                          |       |               |          |
| BEGIN DSPL. CMT                                       |        |   | 12/27/2005 | 2:25 PM                     | BUMPED PLUG TO           |       |               | 1000 PSI |
| PLUG DOWN   |        |   | 12/27/2005 | 2:30 PM                     |                          |       |               |          |
| CEMENT USED   |        | CEMENT COMPANY- <b>B. J.</b>  |            |                             |                          |       |               |          |
| STAGE   | # SX   | CEMENT TYPE & ADDITIVES   |            |                             |                          |       |               |          |
| 1   | 160    | Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield |            |                             |                          |       |               |          |
|   |        |   |            |                             |                          |       |               |          |
|   |        |   |            |                             |                          |       |               |          |
| CENTRALIZER & SCRATCHER PLACEMENT                     |        |   |            | SHOW MAKE & SPACING         |                          |       |               |          |
| Centralizers - Middle first, top second & third for 3 |        |   |            |                             |                          |       |               |          |
|   |        |   |            |                             |                          |       |               |          |
|   |        |   |            |                             |                          |       |               |          |

COMPANY REPRESENTATIVE Troy Zufelt DATE 12/27/2005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SPENDING IN TRIPLEGATE - Other instructions on reverse side

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
887 FNL 963 FEL  
NE/NE Section 22 T9S R16E

5. Lease Serial No.  
UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
FEDERAL 1-22-9-16

9. API Well No.  
4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State  
Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                               |   |   |   |  |
|---|--|---|---|---|--|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize             | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production(Start/Resume) | <input type="checkbox"/> Water Shut-Off         |  |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing        | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation              | <input type="checkbox"/> Well Integrity         |  |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete               | <input checked="" type="checkbox"/> Other _____ |  |
|   | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon      | Weekly Status Report _____                      |  |
|   | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal           | _____   |  |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12/30/06 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 280'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5880'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 139 jt's of 5.5 J-55, 15.5# csgn. Set @ 5869'/KB. Cement with 400 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 25 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 108,000 #'s tension. Release rig @ 6:00 AM on 1/4/06.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)  
Justin Crum

Signature

Title

Drilling Foreman

Date

01/07/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

JAN 13 2006

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

|  |   |
|--|---|
| LAST CASING <u>8 5/8"</u> SET AT <u>327'</u><br>DATUM <u>12' KB</u><br>DATUM TO CUT OFF CASING <u>12'</u><br>DATUM TO BRADENHEAD FLANGE _____<br>TD DRILLER <u>5880' Loggers TD 5863'</u><br>HOLE SIZE <u>7 7/8"</u> | _____ <u>5 1/2"</u> CASING SET AT <u>5870.53</u><br>Flt cllr @ <u>5826.95</u><br>OPERATOR <u>Newfield Production Company</u><br>WELL <u>Federal 1-22-9-16</u><br>FIELD/PROSPECT <u>Monument Butte</u><br>CONTRACTOR & RIG # <u>NDSI Rig # 1</u> |
|--|---|

| LOG OF CASING STRING:   |               |   |                     |   |            |          |                |
|---|---------------|---|---------------------|---|------------|----------|----------------|
| PIECES  | OD            | ITEM - MAKE - DESCRIPTION   | WT / FT             | GRD                                     | THREAD     | CONDT    | LENGTH         |
|   |               | Landing Jt  |                     |   |            |          | 14             |
|   | <b>SHJT</b>   | <b>6.03 @ 3709'</b>   |                     |   |            |          |                |
| <b>138</b>  | <b>5 1/2"</b> | ETC LT & C casing   | <b>15.5#</b>        | <b>J-55</b>                             | <b>8rd</b> | <b>A</b> | 5826.95        |
|   |               | Float collar  |                     |   |            |          | 0.6            |
| <b>1</b>  | <b>5 1/2"</b> | ETC LT&C csg  | <b>15.5#</b>        | <b>J-55</b>                             | <b>8rd</b> | <b>A</b> | 44.33          |
|   |               | <b>GUIDE</b> shoe   |                     |   | <b>8rd</b> | <b>A</b> | 0.65           |
| CASING INVENTORY BAL.   |               | FEET  | JTS                 | TOTAL LENGTH OF STRING                  |            |          | 5871.78        |
| TOTAL LENGTH OF STRING  |               | 5871.78   | 139                 | LESS CUT OFF PIECE                      |            |          | 14             |
| LESS NON CSG. ITEMS   |               | 15.25   |                     | PLUS DATUM TO T/CUT OFF CSG             |            |          | 12             |
| PLUS FULL JTS. LEFT OUT   |               | 87.08   | 2                   | CASING SET DEPTH                        |            |          | <b>5869.78</b> |
| TOTAL   |               | <b>5943.61</b>  | 141                 | } COMPARE                               |            |          |                |
| TOTAL CSG. DEL. (W/O THRDS)   |               | 5943.61   | 141                 |   |            |          |                |
| TIMING  |               | 1ST STAGE   | 2nd STAGE           |   |            |          |                |
| BEGIN RUN CSG.  |               | 1/4/2006  | 10:00 AM            | GOOD CIRC THRU JOB B <u>Yes</u>         |            |          |                |
| CSG. IN HOLE  |               | 1/4/2006  | 12:30 PM            | Bbls CMT CIRC TO SURFACE <u>25 bbls</u> |            |          |                |
| BEGIN CIRC  |               | 1/4/2006  | 12:30 PM            | RECIPROCATED PIPE FOR <u>THRUSTROKE</u> |            |          |                |
| BEGIN PUMP CMT  |               | 1/4/2006  | 2:40 PM             | DID BACK PRES. VALVE HOLD ? <u>Yes</u>  |            |          |                |
| BEGIN DSPL. CMT   |               | 1/4/2006  | 3:50 PM             | BUMPED PLUG TO <u>1500</u> PSI          |            |          |                |
| PLUG DOWN   |               | <b>1/4/2006</b>   | <b>16:15</b>        |   |            |          |                |
| CEMENT USED   |               | CEMENT COMPANY- <b>B. J.</b>  |                     |   |            |          |                |
| STAGE   | # SX          | CEMENT TYPE & ADDITIVES   |                     |   |            |          |                |
| <b>1</b>  | <b>400</b>    | Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake          |                     |   |            |          |                |
|   |               | mixed @ 11.0 ppg W / 3.43 cf/sk yield   |                     |   |            |          |                |
| <b>2</b>  | <b>450</b>    | 50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD |                     |   |            |          |                |
| CENTRALIZER & SCRATCHER PLACEMENT   |               |   | SHOW MAKE & SPACING |   |            |          |                |
| Centralizers - Middle first, top second & third. Then every third collar for a total of 20. |               |   |                     |   |            |          |                |
|   |               |   |                     |   |            |          |                |
|   |               |   |                     |   |            |          |                |

COMPANY REPRESENTATIVE Justin Crum DATE 1/4/2006

JAN 13 2006



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Newfield Production Company

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone No. (include area code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
887 FNL 963 FEL  
NE/NE Section 22 T9S R16E

5. Lease Serial No.

UTU74392

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

FEDERAL 1-22-9-16

9. API Well No.

4301332612

10. Field and Pool, or Exploratory Area  
Monument Butte

11. County or Parish, State

Duchesne, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                               |   |   |   |
|--|--|---|---|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize             | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production(Start/Resume) | <input type="checkbox"/> Water Shut-Off         |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing        | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation              | <input type="checkbox"/> Well Integrity         |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete               | <input checked="" type="checkbox"/> Other _____ |
|  | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon      | Variance _____                                  |
|  | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal           | _____   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
Mandie Crozier

Title

Regulatory Specialist

Signature

Date

01/20/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date

1/27/06

Federal Approval of This  
Action Is Necessary

Title 18 U.S.C. Section 1001 and Title 18 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

By: \_\_\_\_\_

JAN 23 2006

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

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FEDERAL 1-22-9-16

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4301332612

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11. County or Parish, State

Duchesne, UT

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| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair       | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete               | <input checked="" type="checkbox"/> Other |
|   | <input type="checkbox"/> Change Plans        | <input type="checkbox"/> Plug & Abandon   | <input type="checkbox"/> Temporarily Abandon      | Weekly Status Report                      |
|   | <input type="checkbox"/> Convert to Injector | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal           |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 01/11/06 - 01/19/06

Subject well had completion procedures initiated in the Green River formation on 01-11-06 without the use of a service rig over the well. A cement bond log was run and a total of three Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5410'-5422'); Stage #2 (4768'-4786'), (4718'-4730'); Stage #3(4002'-4007'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 01-17-2006. Bridge plugs were drilled out and well was cleaned to 5824'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 01-19-2006.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Lana Nebeker

Title

Production Clerk

Signature

Date

02/08/2006

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

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Date

Office

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(Instructions on reverse)

RECEIVED

FEB 10 2006

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

|                  |  |   |  |  |
|------------------|--|---|--|--|
| 1a. TYPE OF WORK |  | OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____   |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>UTU-74392     |
| 1b. TYPE OF WELL |  | NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR. <input type="checkbox"/> Other _____ |  | 6. IF INDIAN, ALI OTTEE OR TRIBE NAME<br>NA          |
|                  |  |   |  | 7. UNIT AGREEMENT NAME<br>NA                         |
|                  |  |   |  | 8. FARM OR LEASE NAME, WELL NO.<br>Federal 1-22-9-16 |

|   |                             |
|---|-----------------------------|
| 2. NAME OF OPERATOR<br>Newfield Exploration Company | 9. WELL NO.<br>43-013-32612 |
|---|-----------------------------|

|   |   |
|---|---|
| 3. ADDRESS AND TELEPHONE NO.<br>1401 17th St. Suite 1000 Denver, CO 80202 | 10. FIELD AND POOL OR WILDCAT<br>Monument Butte |
|---|---|

|   |  |
|---|--|
| 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*<br>At Surface 877' FNL & 963' FEL (NE/NE) Sec. 22, T9S, R16E<br>At top prod. Interval reported below | 11. SEC., T., R., M. OR BLOCK AND SURVEY OR AREA<br>Sec. 22, T9S, R16E |
|---|--|

|                |                             |                         |                                  |                 |
|----------------|-----------------------------|-------------------------|----------------------------------|-----------------|
| At total depth | 14. API NO.<br>43-013-32612 | DATE ISSUED<br>10/18/04 | 12. COUNTY OR PARISH<br>Duchesne | 13. STATE<br>UT |
|----------------|-----------------------------|-------------------------|----------------------------------|-----------------|

|                              |                                 |   |   |                                  |
|------------------------------|---------------------------------|---|---|----------------------------------|
| 15. DATE SPUDDED<br>12/26/05 | 16. DATE T.D. REACHED<br>1/3/06 | 17. DATE COMPL. (Ready to prod.)<br>1/19/06 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*<br>5742' GL | 19. ELEV. CASINGHEAD<br>5754' KB |
|------------------------------|---------------------------------|---|---|----------------------------------|

|                                    |                                       |  |                                    |                   |             |
|------------------------------------|---------------------------------------|--|------------------------------------|-------------------|-------------|
| 20. TOTAL DEPTH, MD & TVD<br>5880' | 21. PLUG BACK T.D., MD & TVD<br>5824' | 22. IF MULTIPLE COMPL... HOW MANY*<br>-----> | 23. INTERVALS DRILLED BY<br>-----> | ROTARY TOOLS<br>X | CABLE TOOLS |
|------------------------------------|---------------------------------------|--|------------------------------------|-------------------|-------------|

|  |                                       |
|--|---------------------------------------|
| 24. PRODUCING INTERVAL(S) OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*<br>Green River 4002'-5422' | 25. WAS DIRECTIONAL SURVEY MADE<br>No |
|--|---------------------------------------|

|  |                          |
|--|--------------------------|
| 26. TYPE ELECTRIC AND OTHER LOGS RUN<br>Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log | 27. WAS WELL CORED<br>No |
|--|--------------------------|

| 23. CASING RECORD (Report all strings set in well) |                |                |           |   |               |
|--|----------------|----------------|-----------|---|---------------|
| CASING SIZE/GRADE                                  | WEIGHT (LB/FT) | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD         | AMOUNT PULLED |
| 8-5/8" - J-55                                      | 24#            | 327'           | 12-1/4"   | To surface with 160 sx Class "G" cmt    |               |
| 5-1/2" - J-55                                      | 15.5#          | 5870'          | 7-7/8"    | 400 sx Premlite II and 450 sx 50/50 Poz |               |

| 29. LINER RECORD |          |             |               |             | 30. TUBING RECORD |                |                 |
|------------------|----------|-------------|---------------|-------------|-------------------|----------------|-----------------|
| SIZE             | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE              | DEPTH SET (MD) | PACKER SET (MD) |
|                  |          |             |               |             | 2-7/8"            | EOT @ 5502'    | TA @ 5403'      |

| 31. PERFORATION RECORD (Interval, size and number) |      |            |                     | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |  |
|--|------|------------|---------------------|--|--|
| INTERVAL   | SIZE | SPF/NUMBER | DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED               |  |
| (CP2) 5410'-5422'                                  | .46" | 4/48       | 5410'-5422'         | Frac w/ 45,584# 20/40 sand in 483 bbls fluid   |  |
| (B1&2) 4718'-4730', 4768'-4786'                    | .43" | 4/120      | 4718'-4786'         | Frac w/ 124,027# 20/40 sand in 851 bbls fluid  |  |
| (GB6) 4002'-4007'                                  | .43" | 4/20       | 4002'-4007'         | Frac w/ 23,163# 20/40 sand in 305 bbls fluid   |  |
|  |      |            |                     |  |  |
|  |      |            |                     |  |  |
|  |      |            |                     |  |  |
|  |      |            |                     |  |  |
|  |      |            |                     |  |  |
|  |      |            |                     |  |  |

| 33.* PRODUCTION                  |                 |   |                                   |                  |               |   |                     |
|----------------------------------|-----------------|---|-----------------------------------|------------------|---------------|---|---------------------|
| DATE FIRST PRODUCTION<br>1/19/06 |                 | PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)<br>2-1/2" x 1-1/2" x 15' RHAC SM Plunger Pump |                                   |                  |               | WELL STATUS (Producing or shut-in)<br>PRODUCING |                     |
| DATE OF TEST<br>30 day ave       | HOURS TESTED    | CHOKE SIZE  | PROD'N. FOR TEST PERIOD<br>-----> | OIL--BBL/S<br>84 | GAS--MCF<br>6 | WATER--BBL<br>0                                 | GAS-OIL RATIO<br>71 |
| FLOW TUBING PRESS.               | CASING PRESSURE | CALCULATED 24-HOUR RATE<br>----->   | OIL--BBL                          | GAS--MCF         | WATER--BBL    | OIL GRAVITY-API(CORR.)                          |                     |

|  |                   |
|--|-------------------|
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)<br>Sold & Used for Fuel | TEST WITNESSED BY |
|--|-------------------|

|                         |
|-------------------------|
| 35. LIST OF ATTACHMENTS |
|-------------------------|

|  |                                      |           |
|--|--------------------------------------|-----------|
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from _____<br><i>M. M. M. M. M.</i> | FEB 27 2006<br>Regulatory Specialist | 2/20/2006 |
|--|--------------------------------------|-----------|

| 37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries); |     |        |                                | 38. GEOLOGIC MARKERS  |             |                  |
|--|-----|--------|--------------------------------|-----------------------|-------------|------------------|
| FORMATION  | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC.    | NAME                  | TOP         |                  |
|  |     |        |                                |                       | MEAS. DEPTH | TRUE VERT. DEPTH |
|  |     |        | Well Name<br>Federal 1-22-9-16 | Garden Gulch Mkr      | 3464'       |                  |
|  |     |        |                                | Garden Gulch 1        | 3674'       |                  |
|  |     |        |                                | Garden Gulch 2        | 3786'       |                  |
|  |     |        |                                | Point 3 Mkr           | 4054'       |                  |
|  |     |        |                                | X Mkr                 | 4296'       |                  |
|  |     |        |                                | Y-Mkr                 | 4329'       |                  |
|  |     |        |                                | Douglas Creek Mkr     | 4444'       |                  |
|  |     |        |                                | BiCarbonate Mkr       | 4680'       |                  |
|  |     |        |                                | B Limestone Mkr       | 4790'       |                  |
|  |     |        |                                | Castle Peak           | 5300'       |                  |
|  |     |        |                                | Basal Carbonate       | 5754'       |                  |
|  |     |        |                                | Total Depth (LOGGERS) | 5863'       |                  |



April 30, 2012

Mr. Mark Reinbold  
State of Utah  
Division of Oil, Gas and Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Federal #1-22-9-16  
Monument Butte Field, Lease #UTU-74392  
Section 22-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #1-22-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg". The signature is fluid and cursive, with a long horizontal line extending from the end.

Eric Sundberg  
Regulatory Lead

**RECEIVED**

**MAY 01 2012**

**DIV OF OIL, GAS, & MINING**

**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**FEDERAL #1-22-9-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-74392**  
**APRIL 30, 2012**

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| WORK PROCEDURE FOR INJECTION CONVERSION     |  |
| COMPLETED RULE R615-5-1 QUESTIONNAIRE       |  |
| COMPLETED RULE R615-5-2 QUESTIONNAIRE       |  |
| ATTACHMENT A                                | ONE-HALF MILE RADIUS MAP                           |
| ATTACHMENT A-1                              | WELL LOCATION PLAT                                 |
| ATTACHMENT B                                | LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS |
| ATTACHMENT C                                | CERTIFICATION FOR SURFACE OWNER NOTIFICATION       |
| ATTACHMENT E                                | WELLBORE DIAGRAM – FEDERAL #1-22-9-16              |
| ATTACHMENT E-1                              | WELLBORE DIAGRAM – FEDERAL #2-22-9-16              |
| ATTACHMENT E-2                              | WELLBORE DIAGRAM – FEDERAL #3-22-9-16              |
| ATTACHMENT E-3                              | WELLBORE DIAGRAM – FEDERAL #7-22-9-16              |
| ATTACHMENT E-4                              | WELLBORE DIAGRAM – FEDERAL #8-22-9-16              |
| ATTACHMENT E-5                              | WELLBORE DIAGRAM – FEDERAL #9-22-9-16              |
| ATTACHMENT E-6                              | WELLBORE DIAGRAM – FEDERAL #4-23-9-16              |
| ATTACHMENT E-7                              | WELLBORE DIAGRAM – FEDERAL #5-23-9-16              |
| ATTACHMENT E-8                              | WELLBORE DIAGRAM – JONAH FEDERAL #13-14-9-16       |
| ATTACHMENT E-9                              | WELLBORE DIAGRAM – JONAH FEDERAL #9-15-9-16        |
| ATTACHMENT E-10                             | WELLBORE DIAGRAM – JONAH FEDERAL #16-15-9-16       |
| ATTACHMENT E-11                             | WELLBORE DIAGRAM – JONAH #15-15-9-16               |
| ATTACHMENT F                                | WATER ANALYSIS                                     |
| ATTACHMENT G                                | FRACTURE GRADIENT CALCULATIONS                     |
| ATTACHMENT G-1                              | FRACTURE REPORTS DATED – 1/12/06 – 1/20/06         |
| ATTACHMENT H                                | WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON       |
| ATTACHMENT H-1                              | WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL          |



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1001 17th Street, Suite 2000  
Denver, Colorado 80202

|   |   |
|---|---|
| Well Name and number: <u>Federal #1-22-9-16</u>   |   |
| Field or Unit name: <u>Monument Butte (Green River)</u>   | Lease No. <u>UTU-74392</u>  |
| Well Location: QQ <u>NENE</u> section <u>22</u> township <u>9S</u> range <u>16E</u> county <u>Duchesne</u>  |   |
| Is this application for expansion of an existing project? ..... Yes [ X ] No [ ]  |   |
| Will the proposed well be used for:   | Enhanced Recovery? ..... Yes [ X ] No [ ]   |
|   | Disposal? ..... Yes [ ] No [ X ]  |
|   | Storage? ..... Yes [ ] No [ X ]   |
| Is this application for a new well to be drilled? ..... Yes [ ] No [ X ]  |   |
| If this application is for an existing well,<br>has a casing test been performed on the well? ..... Yes [ ] No [ X ]  |   |
| Date of test: _____   |   |
| API number: <u>43-013-32612</u>   |   |
| Proposed injection interval: from <u>3784</u> to <u>5824</u>  |   |
| Proposed maximum injection: rate <u>500 bpd</u> pressure <u>1869</u> psig   |   |
| Proposed injection zone contains [ x ] oil, [ ] gas, and/or [ ] fresh water within 1/2<br>mile of the well.   |   |
| <div style="border: 1px solid black; padding: 5px; display: inline-block;"><b>IMPORTANT:</b> Additional information as required by R615-5-2 should<br/>accompany this form.</div> |   |
| List of Attachments: <u>Attachments "A" through "H-1"</u>   |   |
| I certify that this report is true and complete to the best of my knowledge.  |   |
| Name: <u>Eric Sundberg</u>  | Signature <u></u> |
| Title: <u>Regulatory Lead</u>   | Date: <u>4/30/12</u>  |
| Phone No. <u>(303) 893-0102</u>   |   |
| (State use only)  |   |
| Application approved by _____   | Title _____   |
| Approval Date _____   |   |
| Comments:   |   |

# Federal 1-22-9-16

Spud Date: 12-26-05  
Put on Production: 01-19-06  
GL: 5742' KB: 5754'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (315.48')  
DEPTH LANDED: 327.33' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

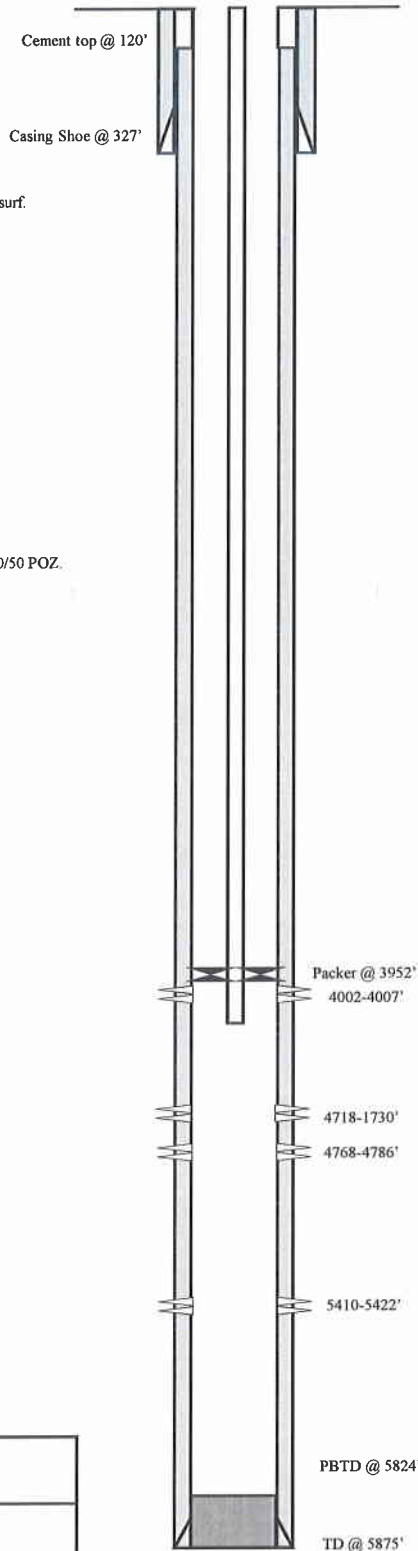
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5871.28')  
DEPTH LANDED: 5869.78' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 120'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 170 jts (5390.80')  
TUBING ANCHOR: 5403' KB  
NO. OF JOINTS: 1 jts (31.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5437' KB  
NO. OF JOINTS: 2 jts (63.20')  
TOTAL STRING LENGTH: EOT @ 5502' KB

## Proposed Injection Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

|            |            |  |
|------------|------------|--|
| 01-16-06   | 5410-5422' | <b>Frac CP2, sands as follows:</b><br>45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.            |
| 01-16-06   | 4718-4730' | <b>Frac B2, &amp; B1 sands as follows:</b><br>124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal. |
| 01-16-06   | 4002-4007' | <b>Frac GB6 sands as follows:</b><br>23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal.           |
| 03/22/06   |            | Pump Change. Update rod and tubing details.  |
| 9-3-08     |            | Pump Change. Updated rod & tubing details.   |
| 7/21/09    |            | Tubing Leak. Updated rod & tubing details.   |
| 01/13/2011 |            | Pump Change. Rod & tubing detail updated.  |

## PERFORATION RECORD

|          |            |        |          |
|----------|------------|--------|----------|
| 01-11-06 | 5410-5422' | 4 JSPF | 48 holes |
| 01-16-06 | 4768-4786' | 4 JSPF | 72 holes |
| 01-16-06 | 4718-4730' | 4 JSPF | 48 holes |
| 01-16-06 | 4002-4007' | 4 JSPF | 20 holes |

**NEWFIELD**

**Federal 1-22-9-16**

887' FNL & 963' FEL

NE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32612; Lease #UTU-74392

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Federal #1-22-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Federal #1-22-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3784' - 5824'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3462' and the TD is at 5875'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal #1-22-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-74392) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 327' KB, and 5-1/2", 15.5# casing run from surface to 5870' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1869 psig.

**2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Federal #1-22-9-16, for existing perforations (4002' - 5422') calculates at 0.84 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1869 psig. We may add additional perforations between 3462' and 5875'. See Attachments G and G-1.

**2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Federal #1-22-9-16, the proposed injection zone (3784' - 5824') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

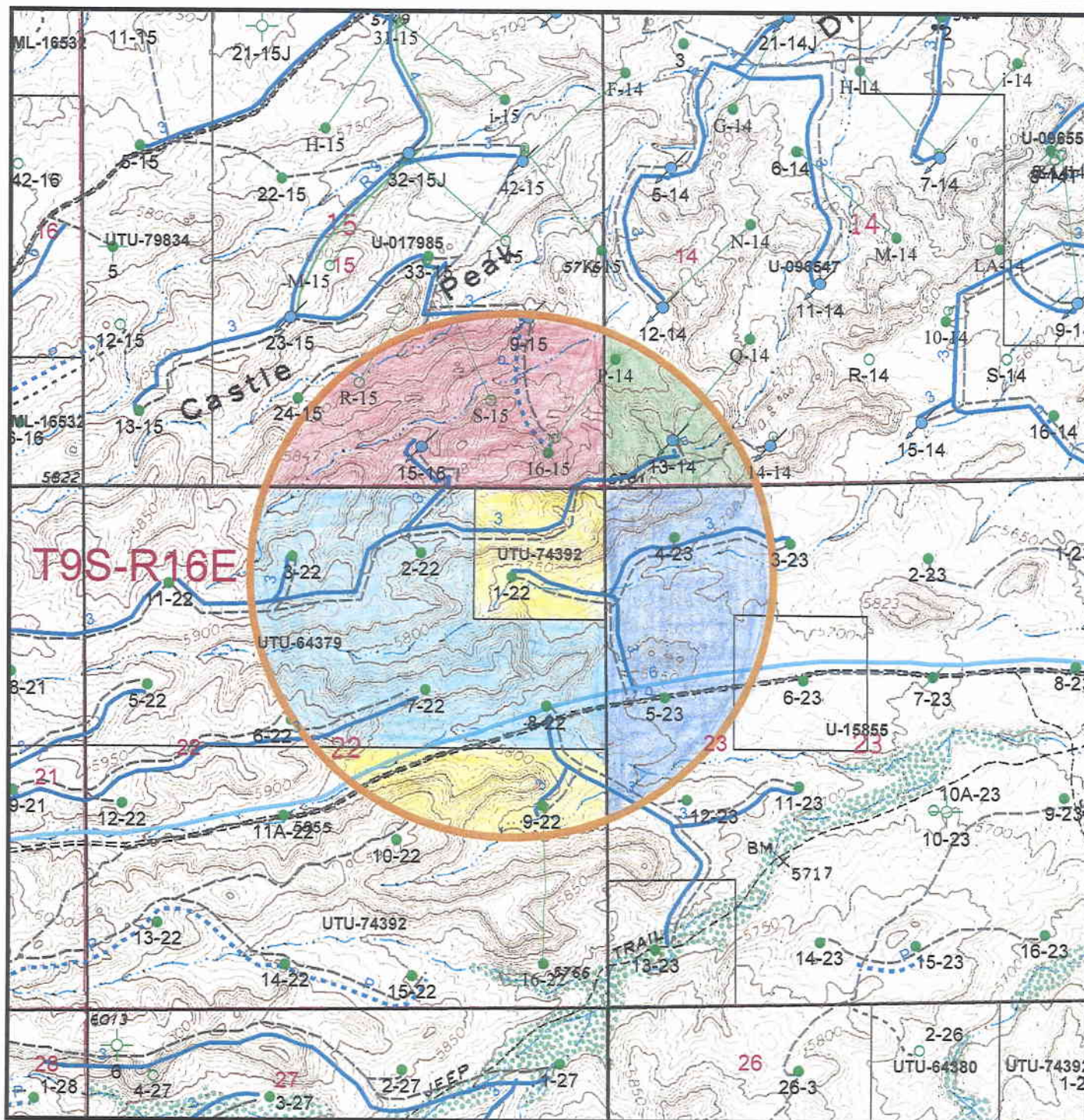
See Attachment C.

**2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.



# ATTACHMENT A



WellStatus\_HalfMile\_Buffer

Well Status

- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In

Injection system

- high pressure
- low pressure
- proposed
- return
- return proposed

Leases

Mining tracts

UTU-74392

UTU-64379

UTU-017985

UTU-096547

UTU-15855

Federal 1-22  
Section 22, T9S-R16E

NEWFIELD

ROCKY MOUNTAINS 1 in = 1,500 feet

1/2 Mile Radius Map  
Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

March 13, 2012





**EXHIBIT B**

| # | Legal Description   | Lessor & Expiration       | Lessee & Operating Rights   | Surface Owner |
|---|---|---------------------------|---|---------------|
| 1 | T9S-R16E SLM<br>Section 21: S2<br>Section 22: NENE, S2<br>Section 23: SWSW<br>Section 24: SESE<br>Section 26: NENE<br>Section 27: All<br>Section 28: All                                      | USA<br>UTU-74392<br>HBP   | Newfield Production Company<br>Newfield RMI LLC<br>ABO Petroleum Corp<br>MYCO Industries Inc<br>OXY Y-1 Company<br>Yates Petroleum Corp | USA           |
| 2 | T9S-R16E SLM<br>Section 8: SWNE, SE<br>Section 9: SWSW<br>Section 17: NE<br>Section 18: Lots 3, 4, E2SW, SE<br>Section 19: Lots 1,2, NE, E2NW<br>Section 21: N2<br>Section 22: W2NE, SENE, NW | USA<br>UTU - 64379<br>HBP | Newfield Production Company<br>Newfield RMI LLC<br>Yates Petroleum Corp   | USA           |
| 3 | T9S -R16E SLM<br>Section 10: S2SE<br>Section 15: E2, E2W2   | USA<br>UTU-017985<br>HBP  | Newfield Production Company<br>Newfield RMI LLC<br>ABO Petroleum Corp<br>MYCO Industries Inc<br>OXY Y-1 Company<br>Yates Petroleum Corp | USA           |
| 4 | T9S-R16E SLM<br>Section 11: W2SW, W2SW<br>Section 14: SWNE, S2, S2SE, SESE  | USA<br>UTU- 096547<br>HBP | Newfield Production Company<br>Newfield RMI LLC<br>ABO Petroleum Corp<br>MYCO Industries Inc<br>OXY Y-1 Company<br>Yates Petroleum Corp | USA           |

|   |  |                         |   |     |
|---|--|-------------------------|---|-----|
| 5 | T9S-R16E SLM<br>Section 23: E2, NW, E2SW, NWSW<br>Section 24: N2, SW, N2SE, SWSE | USA<br>UTU-15855<br>HBP | Newfield Production Company<br>Newfield RMI LLC<br>Bee Hive Oil LLC<br>Journey Properties LLC<br>King Oil & Gas of Texas LTD<br>Six Gold Oil LLC<br>Stone Energy Corp | USA |
|---|--|-------------------------|---|-----|

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal #1-22-9-16

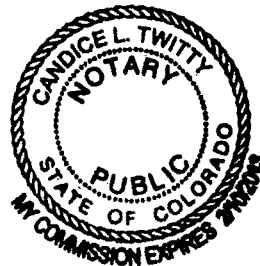
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:   
Newfield Production Company  
Eric Sundberg  
Regulatory Lead

Sworn to and subscribed before me this 30<sup>th</sup> day of April, 2012.

Notary Public in and for the State of Colorado:   
My Commission Expires  
02/10/2013

My Commission Expires: \_\_\_\_\_



## Federal 1-22-9-16

Spud Date: 12-26-05  
Put on Production: 01-19-06  
GL: 5742' KB: 5754'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (315.48')  
DEPTH LANDED: 327.33' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts. (5871.28')  
DEPTH LANDED: 5869.78' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
CEMENT TOP AT: 120'

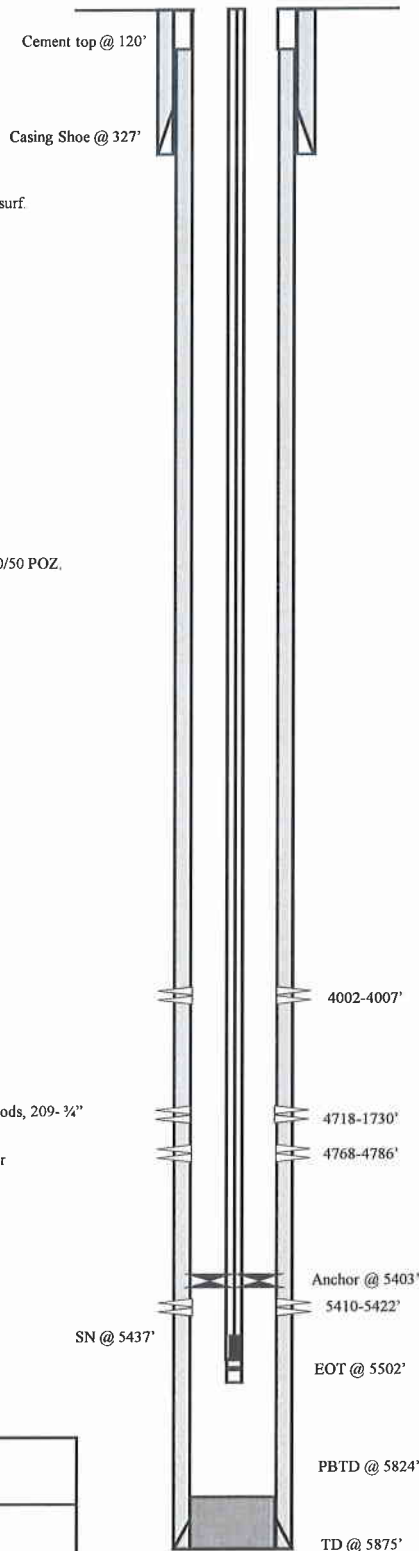
**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 170 jts (5390.80')  
TUBING ANCHOR: 5403' KB  
NO. OF JOINTS: 1 jts (31.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5437' KB  
NO. OF JOINTS: 2 jts (63.20')  
TOTAL STRING LENGTH: EOT @ 5502' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' SM  
SUCKER RODS: 1-8" & 1-2" 3/4" pony rods, 100- 3/4" guided rods, 209- 3/4" guided rods, 6-1 1/2" sinker bars, 6-1" Stabilizer Rods  
PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC w/SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5 SPM

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

|            |            |  |
|------------|------------|--|
| 01-16-06   | 5410-5422' | <b>Frac CP2, sands as follows:</b><br>45584# 20/40 sand in 483 bbls Lightning 17 frac fluid. Treated @ avg press of 2087 psi w/avg rate of 25 BPM. ISIP 2130 psi. Calc flush: 5408 gal. Actual flush: 4788 gal.            |
| 01-16-06   | 4718-4730' | <b>Frac B2, &amp; B1 sands as follows:</b><br>124027# 20/40 sand in 851 bbls Lightning 17 frac fluid. Treated @ avg press of 1490 psi w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc flush: 4716 gal. Actual flush: 4116 gal. |
| 01-16-06   | 4002-4007' | <b>Frac GB6 sands as follows:</b><br>23163# 20/40 sand in 305 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc flush: 4000 gal. Actual flush: 3877 gal.           |
| 03/22/06   |            | Pump Change. Update rod and tubing details.  |
| 9-3-08     |            | Pump Change. Updated rod & tubing details.   |
| 7/21/09    |            | Tubing Leak. Updated rod & tubing details.   |
| 01/13/2011 |            | Pump Change. Rod & tubing detail updated.  |

**PERFORATION RECORD**

|          |            |        |          |
|----------|------------|--------|----------|
| 01-11-06 | 5410-5422' | 4 JSPF | 48 holes |
| 01-16-06 | 4768-4786' | 4 JSPF | 72 holes |
| 01-16-06 | 4718-4730' | 4 JSPF | 48 holes |
| 01-16-06 | 4002-4007' | 4 JSPF | 20 holes |

**NEWFIELD****Federal 1-22-9-16**

887' FNL &amp; 963' FEL

NE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32612; Lease #UTU-74392

## FEDERAL 2-22-9-16

Spud Date: 05/26/07  
Put on Production: 07/03/07  
GL: 5860' KB: 5872'

## Wellbore Diagram

SURFACE CASING

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (302 90')  
DEPTH LANDED: 314 75' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, cir 6 bbls to surf

PRODUCTION CASING

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15 5#  
LENGTH 136 jts (5895 76')  
DEPTH LANDED 5893 76' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 300 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
CEMENT TOP 57' per CBL 6/25/07

TUBING (GI 7/5/11)

SIZE/GRADE/WT: 2-7/8" / J-55 / 6 5#  
NO OF JOINTS 178 jts (5515 9')  
TUBING ANCHOR 5528'  
NO OF JOINTS 1 jts (31 42')  
SEATING NIPPLE 2-7/8" (1 10')  
SN LANDED AT: 5562 1'  
NO OF JOINTS 1 jt (29 82')  
PAGA: 3-1/2" (5 4')  
NO OF JOINTS 3 jts (94 7')  
PBGA: 2-7/8" (0 7')  
TOTAL STRING LENGTH: EOT @ 5694'

SUCKER RODS (GI 7/5/11)

POLISHED ROD: 1-1/2" x 22' polish rod  
SUCKER RODS 1-2", 4", 8", 8' x 3/4" pony rods, 130-3/4 4 per guided rods, 47-3/4 sucker rods, 37-3/4 4 per guided rods, 6-1 1/2 Sinkers bars, 6-1" Stabilizer rod  
PUMP SIZE 2-1/2" x 1-1/4" x 12'x16"RHAC  
STROKE LENGTH: 86"  
PUMP SPEED: 5 SPM  
PUMPING UNIT: Weatherford C-228-213-86

FRAC JOB

06/27/07 5755-5790' **Frac CP5 sands as follows:**  
60101# 20/40 sand in 501 bbls Lightning 17  
frac fluid Treated @ avg press of 1583 psi  
w/avg rate of 24 7 BPM ISIP 1950 psi Calc  
flush: 5753 gal Actual flush: 5166 gal

06/27/07 4951-4960' **Frac A.5 sands as follows:**  
39988# 20/40 sand in 382 bbls Lightning 17  
frac fluid Treated @ avg press of 2087 psi  
w/avg rate of 24 7 BPM ISIP 2525 psi Calc  
flush: 4898 gal Actual flush: 4360 gal

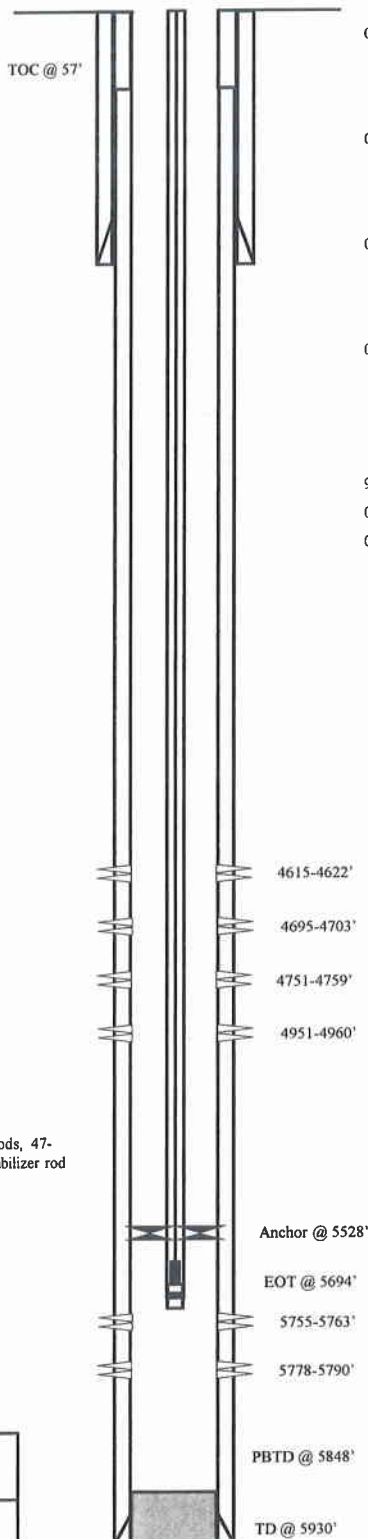
06/27/07 4695-4759' **Frac D3 & C sands as follows:**  
57108# 20/40 sand in 466 bbls Lightning 17  
frac fluid Treated @ avg press of 2290 psi  
w/avg rate of 24 7 BPM ISIP 3228 psi Calc  
flush: 4693 gal Actual flush: 4158 gal

06/29/07 4615-4622' **Frac D1 sands as follows:**  
9646# 20/40 sand in 210 bbls Lightning 17  
frac fluid Treated @ avg press of 2799 psi  
w/avg rate of 24 7 BPM ISIP 1928 psi Calc  
flush: 4613 gal Actual flush: 4536 gal \

9-18-07 Pump Change Updated rod tubing details  
05/28/08 Hole in tubing Updated rod and tubing details  
07/06/11 Tubing leak Rods & tubing updated

PERFORATION RECORD

06/25/07 5778-5790' 4 JSPF 48 holes  
06/25/07 5755-5763' 4 JSPF 32 holes  
06/27/07 4951-4960' 4 JSPF 36 holes  
06/27/07 4751-4759' 4 JSPF 32 holes  
06/27/07 4695-4703' 4 JSPF 32 holes  
06/27/07 4615-4622' 4 JSPF 28 holes



NEWFIELD

FEDERAL 2-22-9-16

645'FNL &amp; 1878' FEL

NW/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32958; Lease # UTU-64379

Fed. #3-22-9-16

Spud Date: 5-31-07

Put on Production: 7-4-07

GL: 5866' KB: 5878'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (287 98')  
 DEPTH LANDED: 299 83' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface with 160 sxs Class "G" cement

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 145 jts (6357 47')  
 DEPTH LANDED: 5910.55' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem Lite II mixed & 425 sxs 50/50 POZ  
 CEMENT TOP: 116'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 169 jts (5263 03')  
 TUBING ANCHOR: 5263' KB  
 NO. OF JOINTS: 1 jts (31 60')  
 SEATING NIPPLE: 2-7/8" (1 10')  
 SN LANDED AT: 5297 40' KB  
 NO. OF JOINTS: 2 jts (63 23')  
 TOTAL STRING LENGTH: EOT @ 5362' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rods  
 SUCKER RODS: 1-8", 1-6", 1-4", 1-2", x 3/2" ponies, 99-3/4" guided rods, 86-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" weight rods  
 PUMP SIZE: CDI 2 1/2" x 1 1/2" x 12" x 15" RHAC pump w/sin plunger  
 STROKE LENGTH: 86"  
 PUMP SPEED: SPM: 5

FRAC JOB

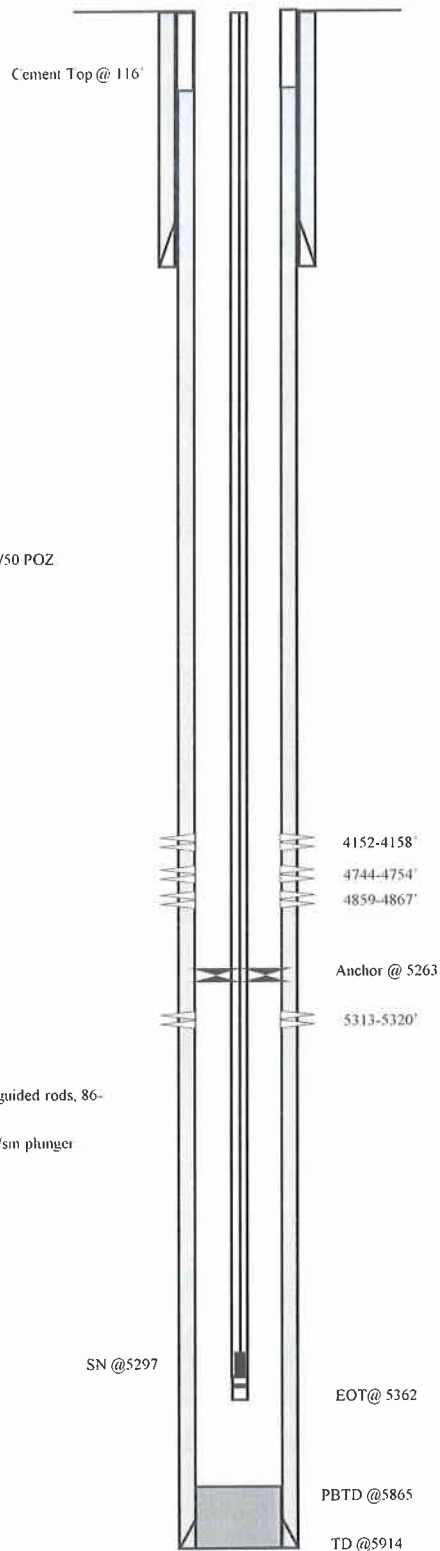
6/29/07 5313-5320' RU BJ & frac LODC sds as follows:  
 40,796# 20/40 sand in 411 bbls of Lightning 17 frac fluid. Treated @  
 ave pressure of 3412 w/ ave rate of 22.2 bpm w/ 6.5 ppg of sand. ISIP  
 was 3327. Actual flush: 4830 gals

6/29/07 4859-4867' RU BJ & frac stage #2 as follows:  
 34,536#s of 20/40 sand in 354 bbls of Lightning 17 frac fluid. Treated  
 @ ave pressure of 3900 w/ ave rate of 22.1 bpm w/ 6.5 ppg of sand.  
 ISIP was 4200. Actual flush: 2646 gals

6/29/07 4744-4754' RU BJ & frac stage #3 as follows:  
 34,902#s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Treated  
 @ ave pressure of 2527 w/ ave rate of 27.6 bpm w/ 6.5 ppg of sand.  
 1144 bbls EWTR. ISIP was 1925. Actual flush: 4242 gals

6/29/07 4152-4158' RU BJ & frac stage #4 as follows:  
 44,919#s of 20/40 sand in 372 bbls of Lightning 17 frac fluid. Treated  
 @ ave pressure of 2360 w/ ave rate of 24.7 bpm w/ 8 ppg of sand.  
 1517 bbls EWTR. ISIP was 1900. Actual flush: 5996 gals

12/21/09 Parted Rods. Rod & Tubing updated

PERFORATION RECORD

|          |            |        |          |
|----------|------------|--------|----------|
| 06/29/07 | 5313-5320' | 4 JSPF | 28 holes |
| 06/29/07 | 4859-4867' | 4 JSPF | 32 holes |
| 06/29/07 | 4744-4754' | 4 JSPF | 40 holes |
| 06/29/07 | 4152-4158' | 4 JSPF | 24 holes |



Federal 3-22-9-16  
 683' FNL & 2079' FWL (NE/NW)  
 Section 22, T9S, R16E  
 Duchesne Co, Utah  
 API #43-013-33024; Lease # UTU-64379

TW 05/06/10

## Federal 7-22-9-16

Spud Date: 3/12/08  
Put on Production: 04/23/08  
GL: 5818' KB: 5880'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 8 jts (323.72')  
DEPTH LANDED: 336'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 141 jts (5930.89')  
HOLE SIZE: 7-7/8"  
DEPTH LANDED: 5944'  
CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 146'

TUBING

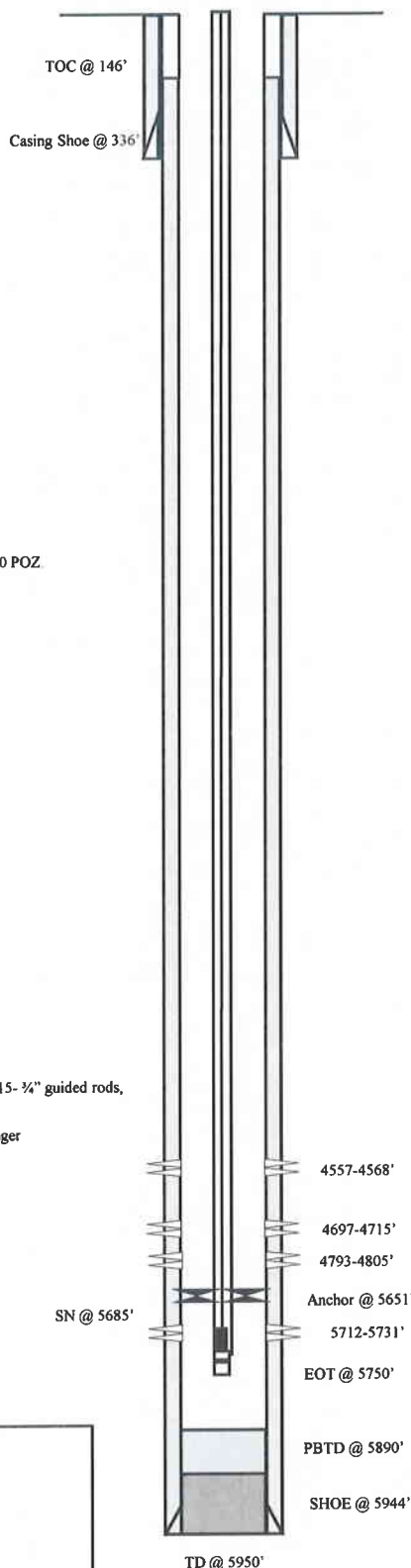
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 183 jts (5639.3')  
TUBING ANCHOR: 5651.2'  
NO. OF JOINTS: 1 jts (31.4')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5685.4' KB  
NO. OF JOINTS: 2 jts (62.90')  
TOTAL STRING LENGTH: EOT @ 5750' w/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS: 1-2' x 3/4" pony rod, 1-4' x 3/4" pony rod, 115-3/4" guided rods, 67-3/4" guided rods, 40-3/4" guided rods, 6-1 1/2" weight bars  
PUMP SIZE: 2-1/2" x 1-1/2" x 20' RHAC pump w/ SM plunger  
STROKE LENGTH: 102"  
PUMP SPEED, SPM: 5

FRAC JOB

|          |            |  |
|----------|------------|--|
| 04-17-08 | 5712-5731' | <b>Frac CP5 sands as follows:</b><br>Frac with 45958 #'s of 20/40 sand in 460 bbls of Lightning 17 fluid. Treat at an ave pressure of 1725 psi @ 23.3 BPM ISIP 1824 psi. |
| 04-17-08 | 4793-4805' | <b>Frac B1 sands as follows:</b><br>Frac with 40109 #'s of 20/40 sand in 402 bbls of Lightning 17 fluid. Treat at an ave pressure of 1811 psi @ 23.3 BPM ISIP 1936 psi.  |
| 04-17-08 | 4697-4715' | <b>Frac C sands as follows:</b><br>Frac with 109892 #'s of 20/40 sand in 801 bbls of Lightning 17 fluid. Treat at an ave pressure of 2002 psi @ 23.3 BPM ISIP 2125 psi.  |
| 04-17-08 | 4557-4568' | <b>Frac D1 sands as follows:</b><br>Frac with 52326 #'s of 20/40 sand in 490 bbls of Lightning 17 fluid. Treat at an ave pressure of 2259 psi @ 23.3 BPM ISIP 2160 psi.  |
| 04-29-08 |            | Pump change. Tubing and rod details updated.   |
| 5/8/2010 |            | Pump changed. Updated rod and tubing detail.   |

PERFORATION RECORD

|            |        |          |
|------------|--------|----------|
| 4557-4568' | 4 JSPF | 44 holes |
| 4697-4715' | 4 JSPF | 72 holes |
| 4793-4805' | 4 JSPF | 48 holes |
| 5712-5731' | 4 JSPF | 76 holes |

NEWFIELD

**Federal 7-22-9-16**  
2036' FNL & 1837' FEL  
SWNE Section 22-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33027; Lease #UTU-64379



## Federal 8-22-9-16

Spud Date: 11/01/06  
Put on Production: 12/13/06

K.B.: 5791, G.L.: 5779

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (310 68')  
DEPTH LANDED: 322 53' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

**PRODUCTION CASING**

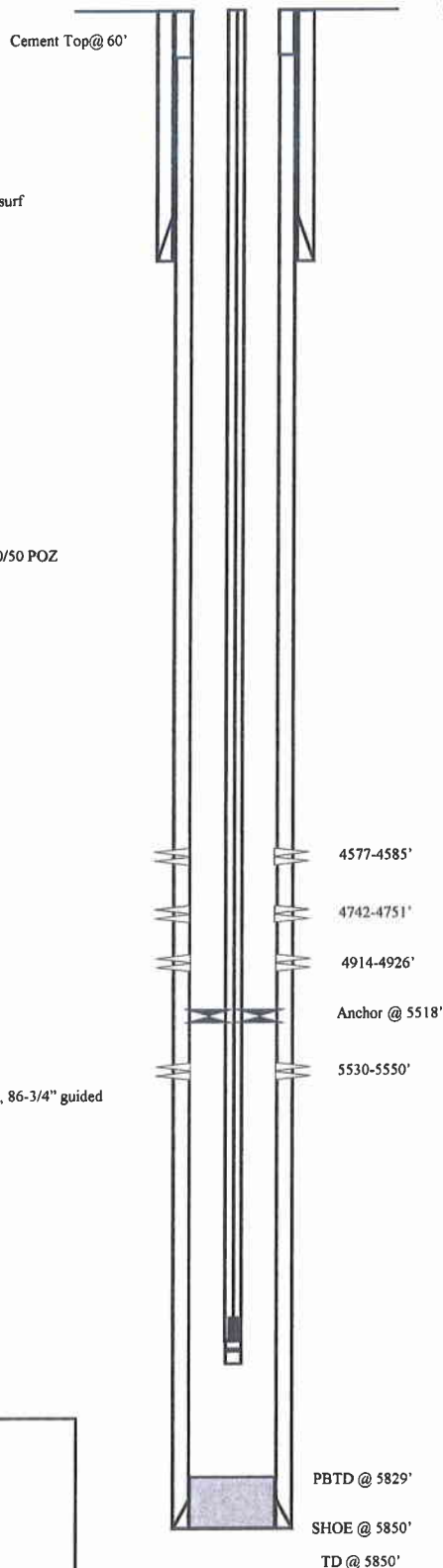
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133 jts (5837 43')  
DEPTH LANDED: 5850 68' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 322 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ  
CEMENT TOP: 60'

**TUBING**

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 175 jts (5517 93')  
TUBING ANCHOR: 5517 90' KB  
NO OF JOINTS: 1 jts (31 70')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 5552.4' KB  
NO OF JOINTS: 2 jts (63 10')  
TOTAL STRING LENGTH: EOT @ 5617' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 2-8" x 3/4" pony rod, 100-3/4" guided rods, 86-3/4" guided rods, 30-3/4" guided rods, 6-1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-1/2" x 14" RHAC w/SM plunger  
STROKE LENGTH: 61"  
PUMP SPEED: 5 SPM

**Wellbore Diagram**

Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

|          |            |  |
|----------|------------|--|
| 12/08/06 | 5530-5550' | <b>Frac CP4, sands as follows:</b><br>30245# 20/40 sand in 381 bbls Lightning 17 frac fluid Treated @ avg press of 2020 psi w/avg rate of 25 BPM ISIP 1960 psi Calc flush: 5548 gal Actual flush: 4998 gal |
| 12/08/06 | 4914-4926' | <b>Frac A1 sands as follows:</b><br>70951# 20/40 sand in 533 bbls Lightning 17 frac fluid Treated @ avg press of 1762 psi w/avg rate of 25 BPM ISIP 2190 psi Calc flush: 4924 gal Actual flush: 4452 gal   |
| 12/08/06 | 4742-4751' | <b>Frac B2 sands as follows:</b><br>29729# 20/40 sand in 414 bbls Lightning 17 frac fluid Treated @ avg press of 2490 psi w/avg rate of 25 BPM ISIP 1950 psi Calc flush: 4749 gal Actual flush: 4242 gal   |
| 12/08/06 | 4577-4585' | <b>Frac C sands as follows:</b><br>26560# 20/40 sand in 342 bbls Lightning 17 frac fluid Treated @ avg press of 2804 psi w/avg rate of 25 BPM ISIP psi Calc flush: 4583 gal Actual flush: 4242 gal         |
| 07/16/10 |            | Pump Change Rod & Tubing detail  |

**PERFORATION RECORD**

|          |            |        |          |
|----------|------------|--------|----------|
| 12/05/06 | 5530-5550' | 4 JSPF | 80 holes |
| 12/08/06 | 4914-4926' | 4 JSPF | 48 holes |
| 12/08/06 | 4742-4751' | 4 JSPF | 36 holes |
| 12/08/06 | 4577-4585' | 4 JSPF | 32 holes |

**NEWFIELD****Federal 8-22-9-16**

2200' FNL &amp; 618' FEL

SE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32959; Lease #UTU-64379

TW 09/14/10

## Federal 9-22-9-16

Spud Date: 4-19-2007  
Put on Production: 6-08-2007

GL: 5803' KB: 5815'

**SURFACE CASING**

CSG SIZE 8-5/8"

GRADE J-55

WEIGHT 24#

LENGTH 7 jts (309 25')

DEPTH LANDED 322 91' KB

HOLE SIZE 12-1/4"

CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

**PRODUCTION CASING**

CSG SIZE 5-1/2"

GRADE J-55

WEIGHT 15.5#

LENGTH 133 jts (5855 48')

DEPTH LANDED 5852 48' KB

HOLE SIZE 7-7/8"

CEMENT DATA 325 sxs Prem Lite II mixed & 425 sxs 50/50 POZ

CEMENT TOP AT 68'

**TUBING**

SIZE/GRADE/WT 2-7/8" / J-55

NO OF JOINTS 182 jts (5608')

TUBING ANCHOR 5620'

NO OF JOINTS 1 jts (28 32')

SEATING NIPPLE 2-7/8" (1 10')

SN LANDED AT 5651'

NO OF JOINTS 2 jts (60 92')

TOTAL STRING LENGTH EOT @ 5713'

**SUCKER RODS**

POLISHED ROD 1-1/2" x 26'

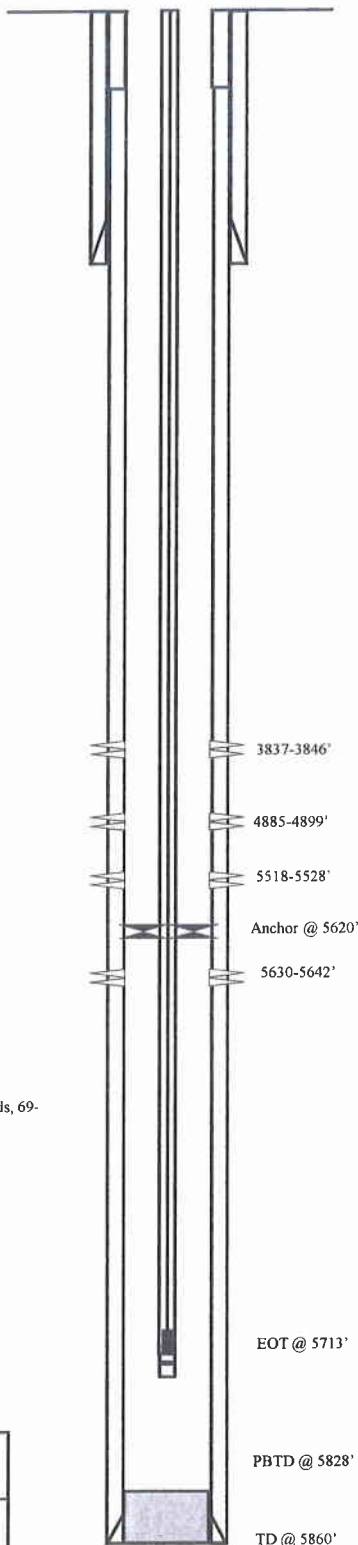
SUCKER RODS 1-2", 4", 6" x 8' X 3/4" pony rods, 99- 1/4" guided rods, 69- 1/4" sucker rods, 50- 3/4" guided rods, 6- 1 1/2" sinker bars,

PUMP SIZE 2-1/2" x 1-1/4" x 16" x 22" RHAC

STROKE LENGTH 120"

PUMP SPEED, SPM 5 SPM

Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

**FRAC JOB**

|          |            |   |
|----------|------------|---|
| 06-05-07 | 5630-5642' | <b>Frac CP5 sands as follows:</b><br>39984# 20/40 sand in 405 bbls Lightning 17 frac fluid Treated @ avg press of 1953 psi w/avg rate of 24.7 BPM ISIP 2165 psi Calc flush: 5328 gal Actual flush: 5208 gal |
| 06-05-07 | 5518-5528' | <b>Frac CP4 sands as follows:</b><br>25037# 20/40 sand in 336 bbls Lightning 17 frac fluid Treated @ avg press of 2283 psi w/avg rate of 24.7 BPM ISIP 2241 psi Calc flush: 5516 gal Actual flush: 4998 gal |
| 06-05-07 | 4885-4899' | <b>Frac A1 sands as follows:</b><br>59792# 20/40 sand in 485 bbls Lightning 17 frac fluid Treated @ avg press of 1701 psi w/avg rate of 24.7 BPM ISIP 2240 psi Calc flush: 4883 gal Actual flush: 4368 gal  |
| 06-05-07 | 3837-3846' | <b>Frac GB2 sands as follows:</b><br>35741# 20/40 sand in 345 bbls Lightning 17 frac fluid Treated @ avg press of 1806 w/ avg rate of 24.7 BPM ISIP 2950 psi Calc flush: 3835 gal Actual flush: 3738 gal    |
| 12-13-07 |            | Pump Change Updated rod & tubing details  |
| 1-30-08  |            | Pump Change Updated rod & tubing details  |
| 8-29-08  |            | Pump Change Updated rod & tubing details  |
| 1/23/09  |            | Pump Change Updated r & t details   |
| 10/05/11 |            | Pump Change Rods & tubing updated   |

**PERFORATION RECORD**

|          |            |        |          |
|----------|------------|--------|----------|
| 05-30-07 | 5630-5642' | 4 JSPF | 48 holes |
| 06-05-07 | 5518-5528' | 4 JSPF | 40 holes |
| 06-05-07 | 4885-4899' | 4 JSPF | 96 holes |
| 06-05-07 | 3837-3846' | 4 JSPF | 36 holes |

NEWFIELD

Federal 9-22-9-16

2079' FSL &amp; 668' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API # 43-013-33175; Lease # UTU-74392

TW 10/10/11

# Federal 4-23-9-16

Attachment E-6

Spud Date: 01-09-08  
Put on Production: 3-10-08  
GL: 5716' KB: 5728'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (312.55')  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 133jts (5715.22')  
HOLE SIZE: 7-7/8"  
DEPTH LANDED: 5728.47'  
CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP AT: 134'

### TUBING

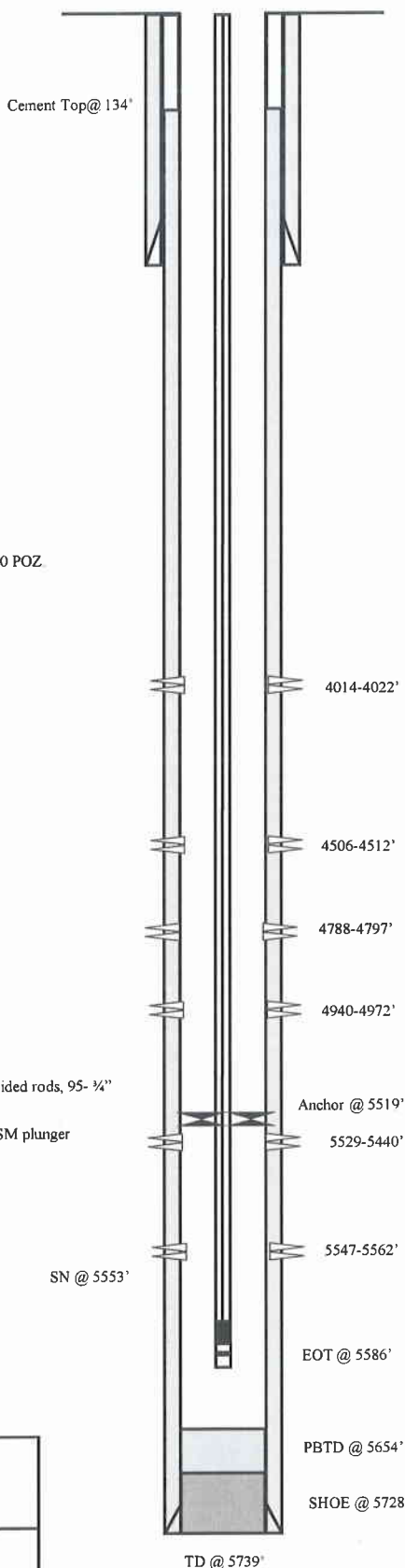
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 175 jts (5507.16')  
TUBING ANCHOR: 5519.16'  
NO. OF JOINTS: 1 jts (31.39')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5553.35' KB  
NO. OF JOINTS: 1 jts (31.48')  
TOTAL STRING LENGTH: EOT @ 5586.38' w/12' KB

### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS: 1-6', 1-4' & 1-2' X 3/4" ponies, 100-3/4" guided rods, 95- 3/4" plain rods, 20-3/4" guided rods, 6- 1 1/2" weighted bars  
PUMP SIZE: 2-1/2" x 1-1/2" x 12" X 15.5' RHAC pump w/ SM plunger  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 4

### FRAC JOB

|         |            |  |
|---------|------------|--|
| 2-29-08 | 5547-5562' | <b>Frac CP4 sands as follows:</b><br>Frac with 40523# 20/40 sand in 434 bbls Lightning 17 fluid. Treat at an ave pressure of 1786 psi @ 23.2 BPM. ISIP 1970 psi.     |
| 2-29-08 | 5429-5440' | <b>Frac CP2 sands as follows:</b><br>Frac with 20386 # 20/40 sand in 333 bbls Lightning 17 fluid. Treat at an ave pressure of 1963 psi @ 25 BPM. ISIP 1840 psi.      |
| 2-29-08 | 4940-4972' | <b>Frac A1 sands as follows:</b><br>Frac with 120556 #'s 20/40 sand in 869 bbls Lightning 17 fluid. Treat at an ave pressure of 1845 psi @ 24.5 BPM. ISIP 2105 psi.  |
| 2-29-08 | 4788-4797' | <b>Frac B2 sand as follows:</b><br>Frac with 50665 #'s of 20/40 sand in 450 bbls Lightning 17 fluid. Treat at an ave pressure of 1990 psi @ 24.5 BPM. ISIP 1945 psi. |
| 2-29-08 | 4506-4512' | <b>Frac D1 sands as follows:</b><br>Frac with 15200 #'s 20/40 sand in 259 bbls Lightning 17 fluid. Treat at an ave pressure of 1942 psi @ 24.3 BPM. ISIP 1825 psi.   |
| 2-29-08 | 4014-4022' | <b>Frac GB6 sands as follows:</b><br>Frac with 40122 #'s 20/40 sand in 384 bbls Lightning 17 fluid. Treat at an ave pressure of 2036 psi @ 24.3 BPM. ISIP 1880 psi.  |



### PERFORATION RECORD

|            |        |           |
|------------|--------|-----------|
| 4014-4022' | 4 JSPF | 32 holes  |
| 4506-4512' | 4 JSPF | 24 holes  |
| 4788-4797' | 4 JSPF | 36 holes  |
| 4940-4972' | 4 JSPF | 128 holes |
| 5429-5440' | 4 JSPF | 44 holes  |
| 5547-5562' | 4 JSPF | 60 holes  |

**NEWFIELD**



**Federal 4-23-9-16**  
499' FNL & 685' FWL  
NWNW Section 23-T9S-R16E  
Duchesne Co, Utah  
API #43-013-33177; Lease #UTU-15855

## Federal 5-23-9-16

Spud Date: 1/17/08  
Put on Production: 3-5-08  
GL: 5749' KB: 5761'

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (311 39')  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146 jts (5781 03')  
HOLE SIZE: 7-7/8"  
DEPTH LANDED: 5814 84'  
CEMENT DATA: 300 sk Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP AT: 100'

TUBING

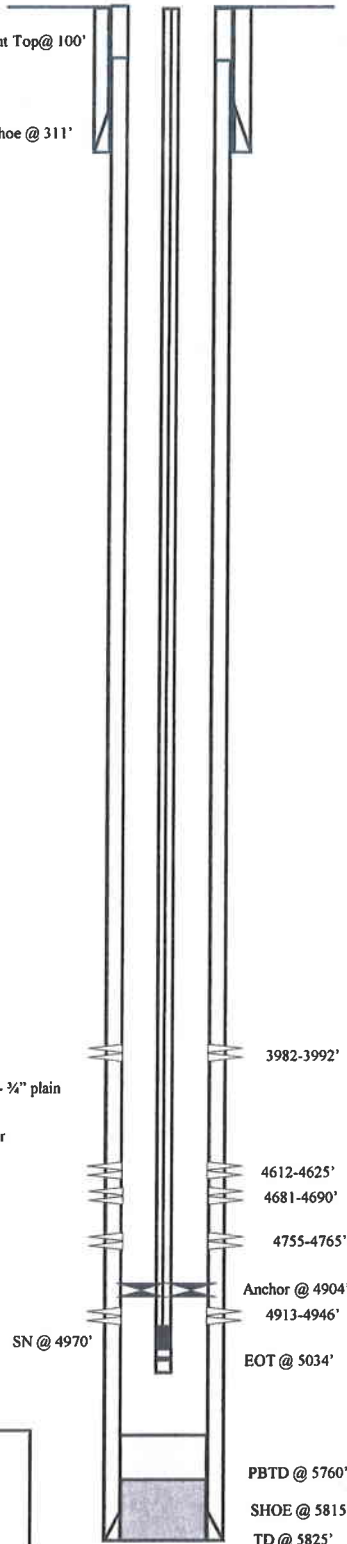
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS: 154 jts (4892.46')  
TUBING ANCHOR: 4904 46'  
NO OF JOINTS: 2 jts (63 04')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 4970 31' KB  
NO OF JOINTS: 2 jts (62.64')  
TOTAL STRING LENGTH: EOT @ 5034 50' w/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26'  
SUCKER RODS: 1-6' & 1-2' X 3/4" pony rods, 99- 3/4" guided rods, 73- 3/4" plain rods, 20- 3/4" guided rods, 6- 1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' X 19.5' RHAC pump w/ SM plunger  
STROKE LENGTH: 120"  
PUMP SPEED, SPM: 4.5

FRAC JOB

|         |            |   |
|---------|------------|---|
| 2-27-08 | 4913-4946' | <b>Frac A1 sands as follows:</b><br>Frac with 160392 #'s of 20/40 sand in 1152 bbls Lightning 17 fluid. Treat at an ave pressure of 1802 psi @ 23.2 BPM ISIP 2132 psi   |
| 2-27-08 | 4755-4765' | <b>Frac B2 sands as follows:</b><br>Frac with 40119 #'s of 20/40 sand in 422 bbls Lightning 17 fluid. Treat at an ave pressure of 1740 psi @ 23.2 BPM ISIP 1900 psi     |
| 2-27-08 | 4681-4690' | <b>Frac B.5 sands as follows:</b><br>Frac with 15432 #'s of 20/40 sand in 275 bbls Lightning 17 fluid. Treat at an ave pressure of 2350 psi @ 23.3 BPM ISIP 1943 psi    |
| 2-27-08 | 4612-4625' | <b>Frac C sand as follows:</b><br>Frac with 60639 #'s of 20/40 sand in 500 bbls of Lightning 17 fluid. Treat at an ave pressure of 2137 psi @ 23.2 BPM ISIP 2346 psi    |
| 2-27-08 | 3982-3992' | <b>Frac GB6 sands as follows:</b><br>Frac with 46568 #'s of 20/40 sand in 418 bbls of Lightning 17 fluid. Treat at an ave pressure of 1726 psi @ 23.3 BPM ISIP 1825 psi |
| 1/24/09 |            | Pump Change Updated r & t details   |

PERFORATION RECORD

|            |        |           |
|------------|--------|-----------|
| 3982-3992' | 4 JSPF | 40 holes  |
| 4612-4625' | 4 JSPF | 52 holes  |
| 4681-4690' | 4 JSPF | 36 holes  |
| 4755-4765' | 4 JSPF | 40 holes  |
| 4913-4946' | 4 JSPF | 132 holes |

NEWFIELD



**Federal 5-23-9-16**  
2125' FNL & 595' FWL  
SWNW Section 23-T9S-R16E  
Duchesne Co, Utah  
API #43-013-32960; Lease #UTU-15855

## Jonah Federal 13-14-9-16

Spud Date: 5/21/05  
Put on Production: 7/1/05  
GL: 5758' KB 5780'

SURFACE CASING

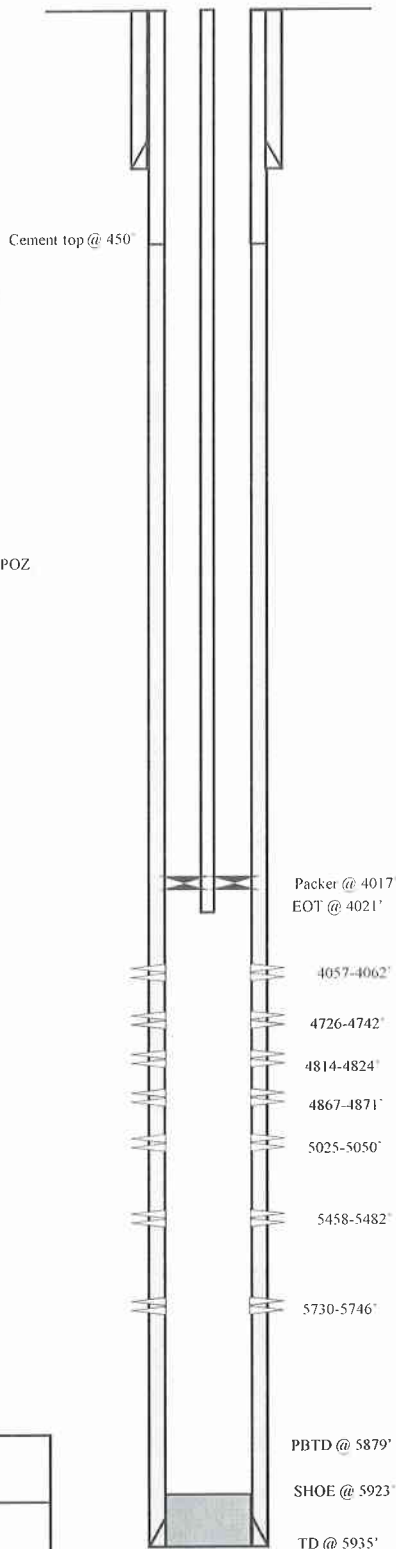
CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (303 95')  
DEPTH LANDED 313 95' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 137 jts (5925 19')  
DEPTH LANDED 5923 19' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP AT 450'

TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 123 jts (4001 11')  
SN LANDED AT 1.10' @ 4014.21'  
CE @ 4017.51'  
TOTAL STRING LENGTH EOT @ 4021.58' w/12' KB

Injection Wellbore  
Diagram

Initial Production: 171 BOPD,  
14 MCFD, 151 BWPD

FRAC JOB

|          |            |   |
|----------|------------|---|
| 6-27-05  | 5730-5746' | <b>Frac CP5 sands as follows:</b><br>58406# 20/40 sand in 503 bbls Lightning 17<br>frac fluid Treated @ avg press of 1678 psi<br>w/avg rate of 25 BPM ISIP 2200 psi Calc<br>flush 5728 gal Actual flush: 5712 gal           |
| 6-27-05  | 5458-5482' | <b>Frac CP1 sands as follows:</b><br>78805# 20/40 sand in 609 bbls Lightning 17<br>frac fluid Treated @ avg press of 1654 psi<br>w/avg rate of 24.7 BPM ISIP 2400 psi Calc<br>flush 5456 gal Actual flush: 5462 gal         |
| 6-27-05  | 5025-5050' | <b>Frac A1/A3 sands as follows:</b><br>108479# 20/40 sand in 876 bbls Lightning 17<br>frac fluid Treated @ avg press of 1560 psi<br>w/avg rate of 24.7 BPM ISIP 2300 psi Calc<br>flush 5023 gal Actual flush: 5082 gal      |
| 6-27-05  | 4814-4871' | <b>Frac B2 &amp; B1 sands as follows:</b><br>43548# 20/40 sand in 339 bbls Lightning 17<br>frac fluid Treated @ avg press of 1606 psi<br>w/avg rate of 24.6 BPM ISIP 2150 psi Calc<br>flush 4812 gal Actual flush: 4872 gal |
| 6-27-05  | 4726-4742' | <b>Frac C sands as follows:</b><br>68949# 20/40 sand in 538 bbls Lightning 17<br>frac fluid Treated @ avg press of 1590 psi<br>w/avg rate of 24.5 BPM ISIP 2100 psi Calc<br>flush 4724 gal Actual flush: 4704 gal           |
| 6-27-05  | 4057-4062' | <b>Frac GB4 sands as follows:</b><br>12976# 20/40 sand in 203 bbls Lightning 17<br>frac fluid Treated @ avg press of 1956 psi<br>w/avg rate of 24.7 BPM ISIP 1850 psi Calc<br>flush 4055 gal Actual flush: 4704 gal         |
| 07/07/06 |            | <b>Pump Change:</b> Updated rod and tbg detail  |
| 01-09-07 |            | <b>Pump Change:</b> Updated rod and tbg detail  |
| 10/20/08 |            | <b>Convert to Injection well</b>  |
| 10/24/08 |            | <b>MIT Completed - tbg detail updated</b>   |

PERFORATION RECORD

|         |            |        |           |
|---------|------------|--------|-----------|
| 6-22-05 | 5730-5746' | 4 JSPF | 64 holes  |
| 6-27-05 | 5458-5482' | 4 JSPF | 96 holes  |
| 6-27-05 | 5025-5050' | 4 JSPF | 100 holes |
| 6-27-05 | 4867-4871' | 4 JSPF | 16 holes  |
| 6-27-05 | 4814-4824' | 4 JSPF | 40 holes  |
| 6-27-05 | 4726-4742' | 4 JSPF | 64 holes  |
| 6-27-05 | 4057-4062' | 4 JSPF | 20 holes  |

**Jonah Federal 13-14-9-16**

484' FSL & 688' FWL

SW/SW Section 14-T9S-R16E

Duchesne Co, Utah

API #43-013-32696, Lease #UTU-096547

## Jonah Federal 9-15-9-16

Spud Date: 6-1-05  
 Put on Production: 7-7-05  
 GL: 5698' KB: 5710'

Initial Production: 77 BOPD.  
 11 MCFD, 59 BWPD

Injection Wellbore  
DiagramSURFACE CASING

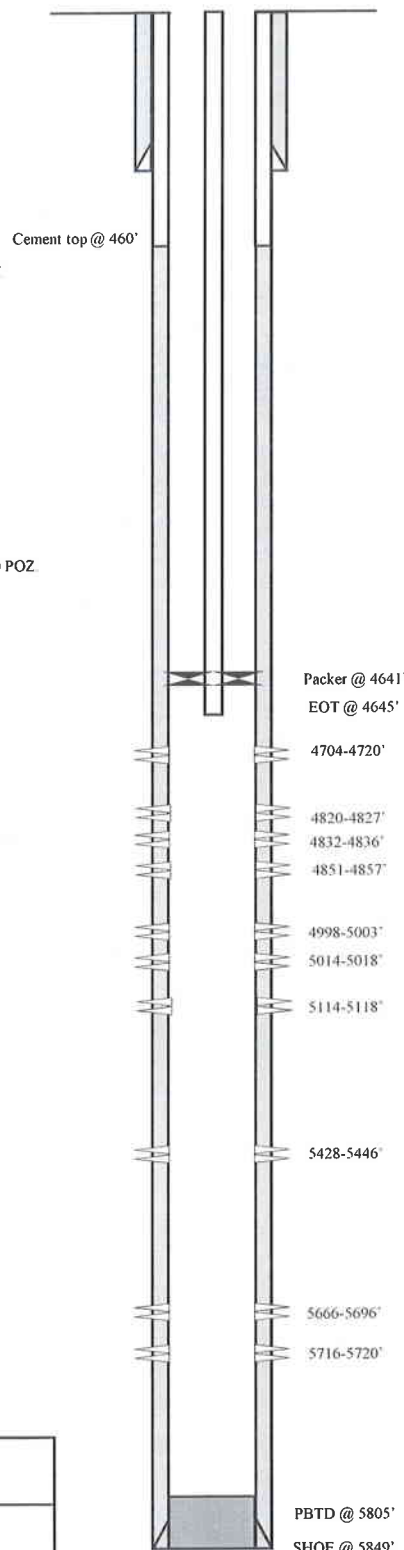
CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jnts (302' 72")  
 DEPTH LANDED: 314' 57" KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 138 jnts (5836' 02")  
 DEPTH LANDED: 5849' 27" KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.  
 CEMENT TOP AT: 460'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 148 jnts (4436' 14")  
 SEATING NIPPLE: 2-7/8" (1' 10")  
 SN LANDED AT: 4636' 14" KB  
 TOTAL STRING LENGTH: EOT @ 4644' 69" KB

FRAC JOB

|          |            |  |
|----------|------------|--|
| 6-30-05  | 5666-5696' | <b>Frac CP5 &amp; CP4 sands as follows:</b><br>70165# 20/40 sand in 559 bbls Lightning 17 frac fluid Treated @ avg press of 1230 psi w/avg rate of 24.5 BPM ISIP 1800 psi. Calc flush 5664 gal Actual flush 5670 gal |
| 6-30-05  | 5428-5446' | <b>Frac CPI sands as follows:</b><br>57169# 20/40 sand in 486 bbls Lightning 17 frac fluid Treated @ avg press of 1346 psi w/avg rate of 24.5 BPM ISIP 1900 psi. Calc flush 5426 gal Actual flush 5418 gal           |
| 7-1-05   | 4998-5118' | <b>Frac LODC, A1, A3 sands as follows:</b><br>34026# 20/40 sand in 343 bbls Lightning 17 frac fluid Treated @ avg press of 1820 psi w/avg rate of 24.5 BPM ISIP 2500 psi. Calc flush 5996 gal Actual flush 4738 gal  |
| 7-1-05   | 4820-4857' | <b>Frac B2 sands as follows:</b><br>49623# 20/40 sand in 426 bbls Lightning 17 frac fluid Treated @ ave pressure of 1590 24.5 BPM ISIP 2000 psi. Calc flush 4818 gal Actual flush: 4578 gal.                         |
| 7-1-05   | 4704-4720' | <b>Frac C sands as follows:</b><br>88671# 20/40 sand in 632 bbls Lightning 17 frac fluid 24.5 BPM Treated @ ave pressure of 1714 ISIP 2000 psi. Calc flush: 4402 gal Actual flush: 4607 gal                          |
| 11/14/06 |            | <b>Well converted to an Injection well.</b>  |
| 11/21/06 |            | <b>MIT completed and submitted.</b>  |

PERFORATION RECORD

|         |            |        |           |
|---------|------------|--------|-----------|
| 6-24-05 | 5666-5696' | 4 JSPF | 120 holes |
| 6-24-05 | 5716-5720' | 4 JSPF | 16 holes  |
| 6-30-05 | 5428-5446' | 4 JSPF | 72 holes  |
| 6-30-05 | 5114-5118' | 4 JSPF | 16 holes  |
| 6-30-05 | 5014-5018' | 4 JSPF | 16 holes  |
| 6-30-05 | 4998-5003' | 4 JSPF | 20 holes  |
| 7-1-05  | 4851-4857' | 4 JSPF | 24 holes  |
| 7-1-05  | 4832-4836' | 4 JSPF | 16 holes  |
| 7-1-05  | 4820-4827' | 4 JSPF | 28 holes  |
| 7-1-05  | 4704-4720' | 4 JSPF | 64 holes  |



## Jonah Federal 9-15-9-16

1724' FSL &amp; 782' FEL

NE/SE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-32683; Lease #UTU-017985

## Jonah Federal 16-15-9-16

Spud Date: 12/28/05  
Put on Production: 02/02/06  
GL: 5704' KB: 5716'

## Wellbore Diagram

Initial Production: BOPD  
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (315.16')  
DEPTH LANDED: 327.01' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 136 jts (5818.63')  
DEPTH LANDED: 5817.88' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem Lite II mixed & 450 sxs 50/50 POZ  
CEMENT TOP: 150'

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
NO OF JOINTS: 170 jts (5415.7')  
TUBING ANCHOR: 5427.7  
NO OF JOINTS: 1 jts (31.7')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5462.2'  
NO OF JOINTS: 2 jts (64.4')  
TOTAL STRING LENGTH: EOT @ 5528'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22"  
SUCKER RODS: 3-2" x 3/4" pony rods, 212-3/4" guided rods, 6-1 1/2" weight bars  
PUMP SIZE: 2-1/2" x 1-3/4" x 16" RHAC  
STROKE LENGTH: 86"  
PUMP SPEED, SPM: 5

FRAC JOB

01/25/06 5400-5410' **Frac CP1 sands as follows:**  
14789# 20/40 sand in 255 bbls Lightning 17 frac fluid. Treated @ avg press of 1785 psi w/avg rate of 25.1 BPM. ISIP 1850 psi. Calc flush: 5398 gal. Actual flush: 4872 gal.

01/25/06 4985-4994' **Frac A3 sands as follows:**  
18508# 20/40 sand 284 bbls Lightning 17 frac fluid. Treated @ avg press of 1845 psi w/avg rate of 25.1 BPM. ISIP 1870 psi. Calc flush: 4983 gal. Actual flush: 4992 gal.

01/25/06 4808-4814' **Frac B2 sands as follows:**  
23613# 20/40 sand in 319 bbls Lightning 17 frac fluid. Treated @ avg press of 2375 psi w/avg rate of 25.1 BPM. ISIP 2600 psi. Calc flush: 4806 gal. Actual flush: 4284 gal.

01/25/06 4672-4680' **Frac C sands as follows:**  
61018# 20/40 sand in 480 bbls Lightning 17 frac fluid. Treated @ avg press of 2005 psi w/avg rate of 25 BPM. ISIP 2240 psi. Calc flush: 4670 gal. Actual flush: 4116 gal.

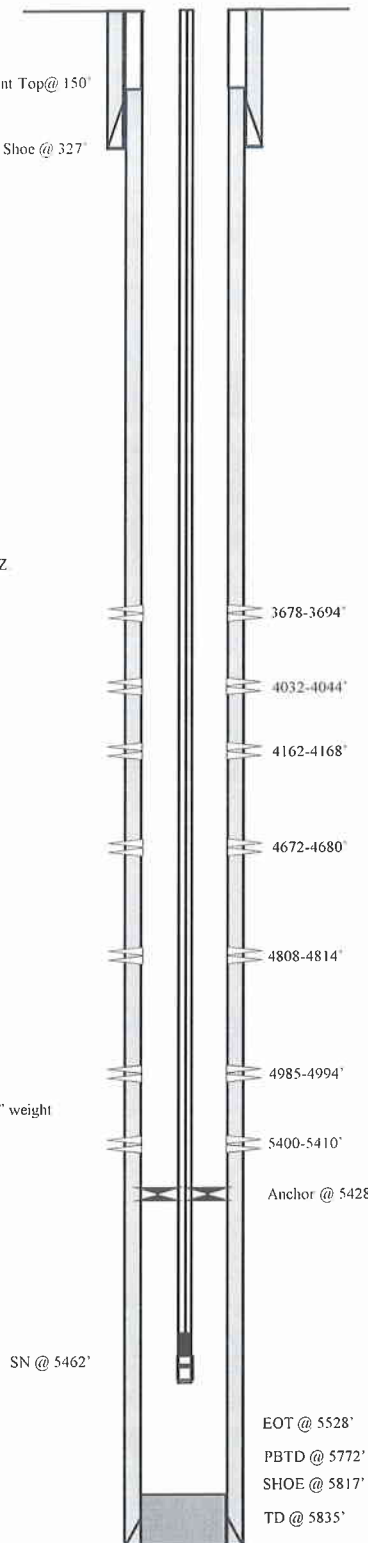
01/25/06 4032-4044' **Frac PB8, GB6 sands as follows:**  
29328# 20/40 sand in 330 bbls Lightning 17 frac fluid. Treated @ avg press of 1813 psi w/avg rate of 25.1 BPM. ISIP 1835 psi. Calc flush: 4030 gal. Actual flush: 3486 gal.

01/25/06 3678-3694' **Frac GG sands as follows:**  
48534# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1700 psi w/avg rate of 25.1 BPM. ISIP 1840 psi. Calc flush: 3676 gal. Actual flush: 3570 gal.

06-26-06 **Parted Rods:** Update rod and tubing details.  
11-27-06 **Pump Change:** Updated rod and tubing detail  
9-12-07 **Pump change:** Updated rod & tubing details  
04/17/08 **Pump change:** Updated rod & tubing details  
12/11/09 **Tubing leak:** Updated rod and tubing details

PERFORATION RECORD

| Date     | Interval   | Tool   | Holes    |
|----------|------------|--------|----------|
| 01/18/06 | 5400-5410' | 4 JSPF | 40 holes |
| 01/25/06 | 4985-4994' | 4 JSPF | 36 holes |
| 01/25/06 | 4808-4814' | 4 JSPF | 24 holes |
| 01/25/06 | 4672-4680' | 4 JSPF | 32 holes |
| 01/25/06 | 4162-4168' | 4 JSPF | 24 holes |
| 01/25/06 | 4032-4044' | 4 JSPF | 48 holes |
| 01/25/06 | 3678-3694' | 4 JSPF | 64 holes |



## Jonah Federal 16-15-9-16

512' FSL &amp; 535' FEL

SE/SE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-32754; Lease #UTU-17985



## Jonah 15-15-9-16

Spud Date: 01/07/06  
Put on Production: 02/07/06  
GL: 5758' KB: 5770'

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (311 55')  
DEPTH LANDED: 323 40" KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cement, est 3 bbls cement to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 139 jts (5874 99')  
DEPTH LANDED: 5874 24" KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ  
CEMENT TOP @ 130

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55  
NO. OF JOINTS: 123 jts (4000 93')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 4014 03"  
TOTAL STRING LENGTH: EOT @ 4021 42'

Injection Wellbore  
Diagram

CEMENT TOP @ 130

Packer @ 4017'  
EOT @ 4021'

PBTD @ 5824'

SHOE @ 5874'

TD @ 5885'

Initial Production: BOPD.  
MCFD, BWPD

FRAC JOB

|          |             |   |
|----------|-------------|---|
| 01/31/06 | 5678-5722'  | <b>Frac CP4, CP5 sands as follows:</b><br>30113# 20/40 sand in 388 bbls Lightning 17 frac fluid. Treated @ avg press of 1859 psi w/avg rate of 25.2 BPM. ISIP 2050 psi. Calc flush: 5676 gal. Actual flush: 5141 gal. |
| 01/31/06 | 5481-5494'  | <b>Frac CP2 sands as follows:</b><br>50320# 20/40 sand in 436 bbls Lightning 17 frac fluid. Treated @ avg press of 1616 psi w/avg rate of 25.2 BPM. ISIP 1900 psi. Calc flush: 5479 gal. Actual flush: 4872 gal.      |
| 01/31/06 | 4978-4983'  | <b>Frac A3 sands as follows:</b><br>19771# 20/40 sand in 295 bbls Lightning 17 frac fluid. Treated @ avg press of 2420 psi w/avg rate of 25.3 BPM. ISIP 2150 psi. Calc flush: 4976 gal. Actual flush: 4452 gal.       |
| 01/31/06 | 4818-4835'  | <b>Frac B2 sands as follows:</b><br>25033# 20/40 sand in 331 bbls Lightning 17 frac fluid. Treated @ avg press of 1958 psi w/avg rate of 25 BPM. ISIP 1850 psi. Calc flush: 4816 gal. Actual flush: 4284 gal.         |
| 01/31/06 | 4646-4657'  | <b>Frac D3, C, sands as follows:</b><br>98438# 20/40 sand in 701 bbls Lightning 17 frac fluid. Treated @ avg press of 2161 psi w/avg rate of 25.1 BPM. ISIP 2300 psi. Calc flush: 4644 gal. Actual flush: 4074 gal.   |
| 02/01/06 | 4186-4190'  | <b>Frac PB7 sands as follows:</b><br>19753# 20/40 sand in 267 bbls Lightning 17 frac fluid. Treated @ avg press of 2643 psi w/avg rate of 24.8 BPM. ISIP 2650 psi. Calc flush: 4184 gal. Actual flush: 3654 gal.      |
| 02/01/06 | 4053-4059'  | <b>Frac GB6 sands as follows:</b><br>17961# 20/40 sand in 262 bbls Lightning 17 frac fluid. Treated @ avg press of 2240 psi w/avg rate of 25 BPM. ISIP 1900 psi. Calc flush: 4051 gal. Actual flush: 3948 gal.        |
| 04/13/07 | Pump Change | Update Rod & Tubing   |
| 7/30/07  |             | Pump change. Updated rod & tubing detail.   |
| 05-21-08 |             | Workover. Updated rod and tubing detail   |
| 10/16/08 |             | Well converted to an Injection well.  |
| 10/28/08 |             | MIT completed and submitted.  |

PERFORATION RECORD

|          |            |        |          |
|----------|------------|--------|----------|
| 01/27/06 | 5716-5722' | 4 JSPF | 24 holes |
| 01/27/06 | 5678-5685' | 4 JSPF | 28 holes |
| 01/31/06 | 5481-5494' | 4 JSPF | 52 holes |
| 01/31/06 | 4978-4983' | 4 JSPF | 20 holes |
| 01/31/06 | 4830-4835' | 4 JSPF | 20 holes |
| 01/31/06 | 4818-4828' | 4 JSPF | 20 holes |
| 01/31/06 | 4700-4708' | 4 JSPF | 32 holes |
| 01/31/06 | 4646-4657' | 4 JSPF | 44 holes |
| 01/31/06 | 4186-4190' | 4 JSPF | 16 holes |
| 02/01/06 | 4053-4059' | 4 JSPF | 24 holes |



Jonah 15-15-9-16

421' FSL &amp; 1864' FEL

SW/SE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-32753; Lease #UTU-17985





## Jonah Fed Q-14-9-16

Spud Date 12/6/2008  
Put on Production 1/26/2009

GL: 5760' KB: 5772'

SURFACE CASING

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (315')  
DEPTH LANDED 327 16' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sx class 'g'

PRODUCTION CASING

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 160 jts (6351 71')  
DEPTH LANDED 6164 10'  
HOLE SIZE 7-7/8"  
CEMENT DATA 275 sx primlite and 400 sx 50/50 poz  
CEMENT TOP AT 148'

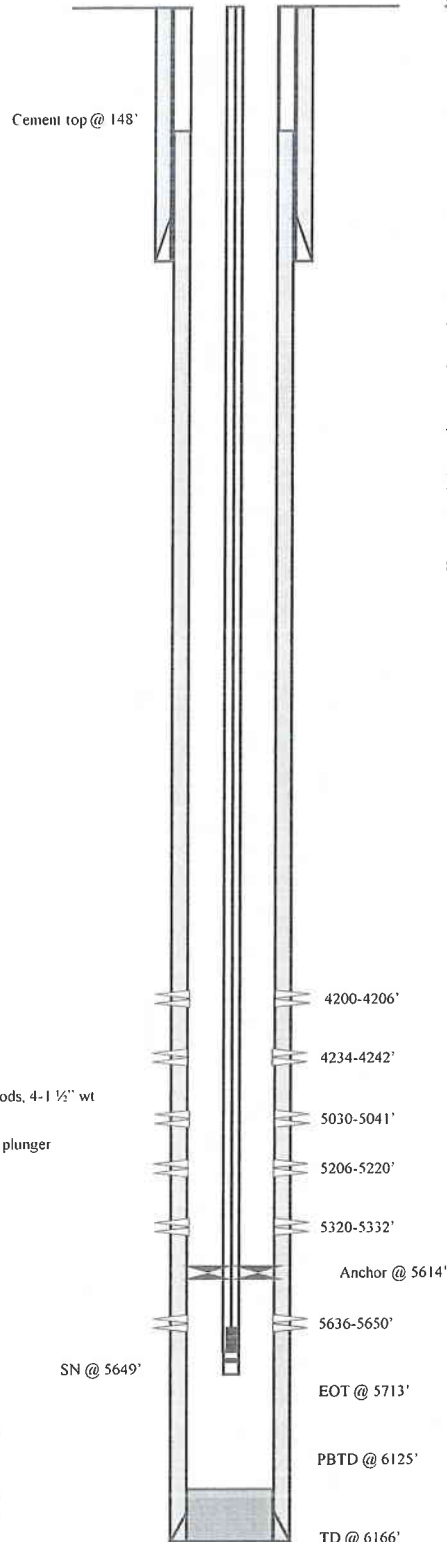
TUBING

SIZE/GRADE/WT 2-7/8" / J-55  
NO OF JOINTS 179 jts (5602 17')  
TUBING ANCHOR 5614 17' KB  
NO OF JOINTS 1 jt (31 10')  
SEATING NIPPLE 2-7/8" (1 10')  
SN LANDED AT 5649 07' KB  
NO OF JOINTS 2 jts (63 21')  
TOTAL STRING LENGTH EOT @ 5712 73'

SUCKER RODS

POLISHED ROD 1 1/2" x 26'  
SUCKER RODS 2", 2", 6' x 7/8" ponies, 221-7/8" scraped rods, 4-1 1/2" wt bars, shear coupling #21,000  
PUMP SIZE CDI 2 1/2" x 1 3/4" x 16' x 20' RHAC pump w/sm plunger  
STROKE LENGTH 122"  
PUMP SPEED, SPM 4

## Wellbore Diagram

FRAC JOB

1/14/09 5636-5650' RU BJ & frac CPI sds as follows:  
50,262# 20/40 sand in 471 bbls of Lightning 17 frac fluid Treated @ ave pressure of 2162 @ ave rate of 23 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2289 Actual flush 5170 gals

1/14/09 5320-5332' RU BJ & frac stage #2 sds as follows:  
40,638# 20/40 sand in 420 bbls of Lightning 17 frac fluid Treated @ ave pressure of 3291 @ ave rate of 26 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2861 Actual flush 4876 gals

1/14/09 5206-5220' RU BJ & frac stage #3 sds as follows:  
55,182# 20/40 sand in 496 bbls of Lightning 17 frac fluid Treated @ ave pressure of 1944 @ ave rate of 23 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 2459 Actual flush 4741 gals

1/14/09 5030-5041' RU BJ & frac stage #4 sds as follows:  
40,414# 20/40 sand in 408 bbls of Lightning 17 frac fluid Treated @ ave pressure of 1814 @ ave rate of 23 bpm w/ 8 ppg of sand Spot 12 bbls of 15% HCL acid in flush for next stage ISIP was 1987 Actual flush 4523 gals

1/15/09 4200-4242' RU BJ & frac stage #5 sds as follows:  
38,064# 20/40 sand in 381 bbls of Lightning 17 frac fluid Treated @ ave pressure of 1964 @ ave rate of 23 bpm w/ 8 ppg of sand ISIP was 2122 Actual flush 4116 gals

8/5/09

Parted rods Updated rod & tubing detail

PERFORATION RECORD

|         |            |        |          |
|---------|------------|--------|----------|
| 1/15/09 | 4200-4206' | 4 JSPF | 24 holes |
| 1/15/09 | 4234-4242' | 4 JSPF | 32 holes |
| 1/14/09 | 5030-5041' | 4 JSPF | 44 holes |
| 1/14/09 | 5206-5220' | 4 JSPF | 56 holes |
| 1/15/09 | 5320-5332' | 4 JSPF | 48 holes |
| 1/15/09 | 5636-5650' | 4 JSPF | 56 holes |

|   |
|---|
|   |
| <b>Jonah Q-14-9-16</b><br>478' FSL & 703' FWL<br>SW/SW Section 14-T9S-R16E<br>Duchesne Co, Utah<br>API # 43-013-34041; Lease # UTU-096547 |

# Federal 6-22-9-16

Spud Date: 3-13-08  
Put on Production: 5-6-08  
GL: 5913' KB: 5925'

## SURFACE CASING

CSG SIZE 8-5/8"  
GRADE J-55  
WEIGHT 24#  
LENGTH 7 jts (290.93')  
DEPTH LANDED 302.78' KB  
HOLE SIZE 12-1/4"  
CEMENT DATA 160 sxs Class "G" cmt, est 5 bbls cmt to surf

## PRODUCTION CASING

CSG SIZE 5-1/2"  
GRADE J-55  
WEIGHT 15.5#  
LENGTH 141 jts (5933.60')  
DEPTH LANDED 5904' KB  
HOLE SIZE 7-7/8"  
CEMENT DATA 300 sxs Prem Lite II mixed & 400 sxs 50/50 POZ  
CEMENT TOP AT 196'

## TUBING

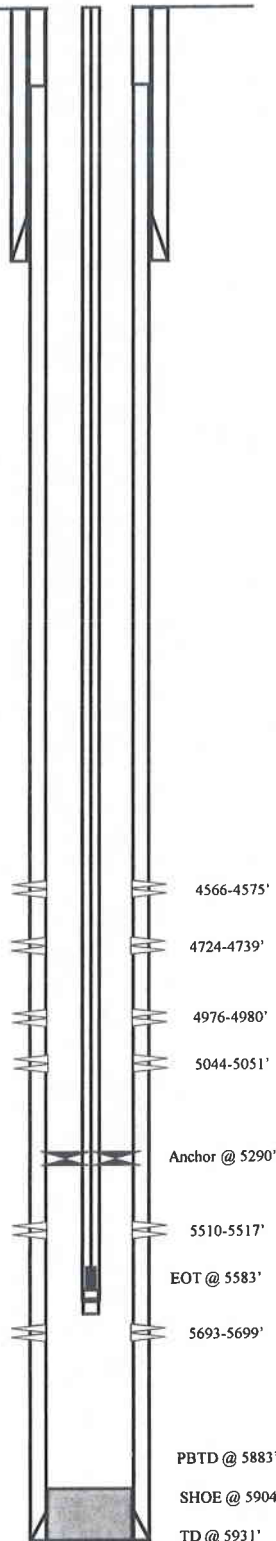
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
NO OF JOINTS 168 jts (5278.14')  
TUBING ANCHOR 5290.14' KB  
NO OF JOINTS 2 jts (63.11')  
SEATING NIPPLE 2-7/8" (1.10')  
SN LANDED AT 5356.05' KB  
NO OF JOINTS 1 jts (31.47')  
TOTAL STRING LENGTH EOT @ 5583.08' KB

## SUCKER RODS

POLISHED ROD 1-1/2" x 26' SM  
SUCKER RODS 2', 6', 8' x 3/4" pony rods, 99- 3/4" scraped rods, 88- 3/4" plain rods, 20- 3/4" scraped rods, 6- 1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC w/SM plunger  
STROKE LENGTH 86"  
PUMP SPEED, SPM: 5 SPM

## Wellbore Diagram

Cement top @ 196'



Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

|          |            |   |
|----------|------------|---|
| 04-30-08 | 5693-5699' | <b>Frac CP4 sands as follows:</b><br>16361# 20/40 sand in 302 bbls Lightning 17 frac fluid Treated @ avg press of 2441 psi w/avg rate of 23.2 BPM. ISIP 2055 psi Calc flush: 5691 gal Actual flush: 5250 gal          |
| 04-30-08 | 5510-5517' | <b>Frac CP2 sands as follows:</b><br>15257# 20/40 sand in 279 bbls Lightning 17 frac fluid Treated @ avg press of 2046 psi w/avg rate of 23.2 BPM. ISIP 1762 psi Calc flush: 5508 gal Actual flush: 4998 gal          |
| 04-30-08 | 4976-5051' | <b>Frac A3, &amp; A1 sands as follows:</b><br>14997# 20/40 sand in 235 bbls Lightning 17 frac fluid Treated @ avg press of 2158 psi w/avg rate of 23.2 BPM. ISIP 1884 psi Calc flush: 4974 gal Actual flush: 4494 gal |
| 4-30-08  | 4724-4739' | <b>Frac C sands as follows:</b><br>115315# 20/40 sand in 825 bbls Lightning 17 frac fluid Treated @ avg press of 1876 psi w/avg rate of 23.2 BPM. ISIP 2044 psi Calc flush: 4722 gal Actual flush: 4242 gal           |
| 04-30-08 | 4566-4575' | <b>Frac D1 sands as follows:</b><br>40206# 20/40 sand in 394 bbls Lightning 17 frac fluid Treated @ avg press of 1832 psi w/avg rate of 23.2 BPM. ISIP 1850 psi Calc flush: 4564 gal Actual flush: 4452 gal           |

## PERFORATION RECORD

|          |            |        |          |
|----------|------------|--------|----------|
| 04-24-08 | 5693-5699' | 4 JSPF | 24 holes |
| 04-30-08 | 5510-5517' | 4 JSPF | 28 holes |
| 04-30-08 | 5044-5051' | 4 JSPF | 28 holes |
| 04-30-08 | 4976-4980' | 4 JSPF | 16 holes |
| 04-30-08 | 4724-4739' | 4 JSPF | 60 holes |
| 04-30-08 | 4566-4575' | 4 JSPF | 36 holes |

**NEWFIELD**

**Federal 6-22-9-16**

2340' FNL & 2060' FWL  
SE/NW Section 22-T9S-R16E  
Duchesne Co, Utah

API # 43-013-33026; Lease # UTU-34379

# FEDERAL 16-22-9-16

Spud Date: 08/27/07  
Put on Production: 10/10/07

GL: 5800' KB: 5812'

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (293 76')  
DEPTH LANDED: 305 61' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: ? jts (')  
DEPTH LANDED: 6051' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sxs Prem Lite II mixed & 525 sxs 50/50 POZ  
CEMENT TOP: 39'

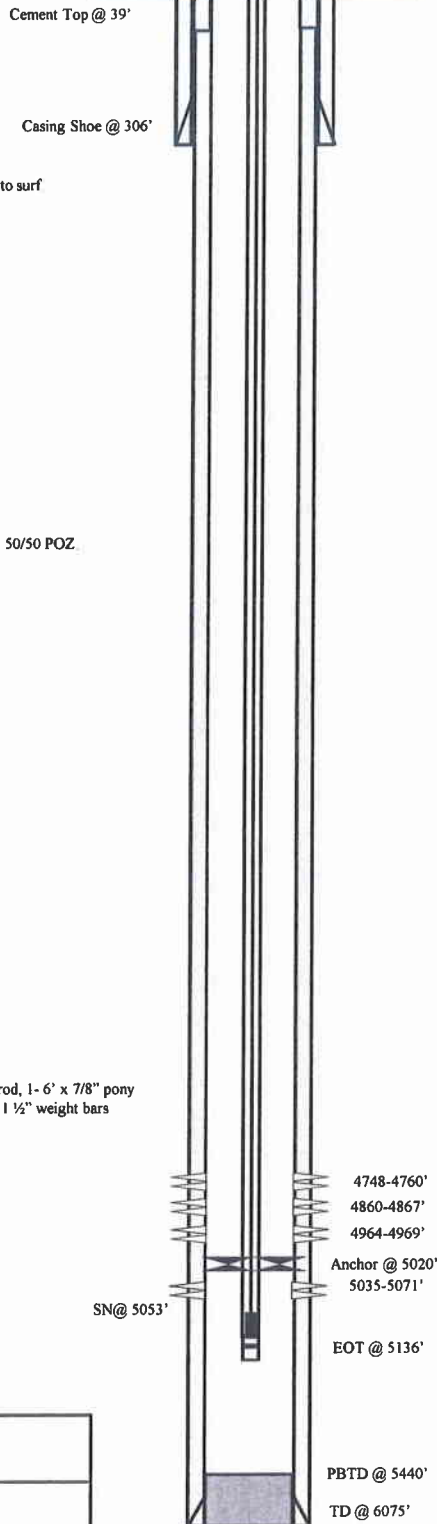
## TUBING

SIZE/GRADE/WT : 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 162 jts (4993 8')  
TUBING ANCHOR: 5005 8' KB  
NO. OF JOINTS: 2 jts (64 1')  
SEATING NIPPLE: 2-7/8" (1 10')  
SN LANDED AT: 5072 8'  
NO. OF JOINTS: 2 jts (61 40')  
TOTAL STRING LENGTH: EOT @ 5136' KB

## SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods  
SUCKER RODS: 2-4' x 7/8" pony rods, 1-4' x 7/8" pony rod, 1-6' x 7/8" pony rod, 197- 7/8" guided rods (8 per), 4-3' x 1" pony rods, 4- 1 1/2" weight bars  
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 16 x 20 RHAC  
STROKE LENGTH: 123"  
PUMP SPEED, SPM: 5

## Wellbore Diagram



Initial Production: BOPD,  
MCFD, BWPD

## FRAC JOB

|           |            |  |
|-----------|------------|--|
| 10/05/07  | 5035-5071' | <b>Frac A1 sands as follows:</b><br>140366# 20/40 sand in 1008 bbl Lightning 17 frac fluid. Treated @ avg press of 1851 psi w/avg rate of 24.8 BPM. ISIP 2081 psi. Calc flush: 5033 gal. Actual flush: 4536 gal. |
| 10/06/07  | 4964-4969' | <b>Frac A.5 sands as follows:</b><br>15004# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2605 psi w/avg rate of 24.8 BPM. ISIP 1909 psi. Calc flush: 4962 gal. Actual flush: 4456 gal. |
| 10/05/07  | 4860-4867' | <b>Frac B2 sands as follows:</b><br>13965# 20/40 sand in 269 bbls Lightning 17 frac fluid. Treated @ avg press of 2130 psi w/avg rate of 24.8 BPM. ISIP 1925 psi. Calc flush: 4858 gal. Actual flush: 4355 gal.  |
| 10/05/07  | 4748-4760' | <b>Frac C sands as follows:</b><br>41811# 20/40 sand in 406 bbls Lightning 17 frac fluid. Treated @ avg press of 2620 psi w/avg rate of 24.8 BPM. ISIP 2235 psi. Calc flush: 4746 gal. Actual flush: 4662 gal.   |
| 6/17/08   |            | parted rods. Updated rod and tubing detail   |
| 11/19/08  |            | Pump Change. Updated rod & tubing details  |
| 2/13/09   |            | Tubing Leak. Updated r & t details   |
| 6/18/2010 |            | Tubing leak. Updated rod and tubing detail   |

## PERFORATION RECORD

|          |            |        |           |
|----------|------------|--------|-----------|
| 10/02/07 | 5035-5071' | 4 JSPF | 144 holes |
| 10/05/07 | 4964-4969' | 4 JSPF | 20 holes  |
| 10/05/07 | 4860-4867' | 4 JSPF | 28 holes  |
| 10/05/07 | 4748-4760' | 4 JSPF | 48 holes  |

NEWFIELD

FEDERAL 16-22-9-16

2068'FSL & 649' FEL

NE/SE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-33394; Lease # UTU-74392

ML 7/9/2010

# JONAH P-14-9-16

Spud Date: 10/19/2010

PWOP: 12/14/2010

GL: 5707' KB: 5719'

## Wellbore Diagram

### SURFACE CASING

CSG SIZE 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH 8 jts (336.56')

DEPTH LANDED: 346.41' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 180 sxs Class "G" cmt

### PRODUCTION CASING

CSG SIZE 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH 143 jts (6034.18')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 6047.43' KB

CEMENT DATA: 300 sxs Prem Lite II mixed & 430 sxs 50/50 POZ

CEMENT TOP AT: 50'

### TUBING

SIZE/GRADE/WT 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 187 jts (5744.2')

TUBING ANCHOR 5744.2' KB

NO. OF JOINTS: 1 jt (31.5')

SEATING NIPPLE 2-7/8" (1.1')

SN LANDED AT: 5778.4' KB

NO. OF JOINTS: 2 jts (62.8')

NOTCHED COLLAR: 5842.3' KB

TOTAL STRING LENGTH: EOT @ 5843'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod

SUCKER RODS: 1 - 7/8" x 2' Pony Rod, 1 - 7/8" x 4' Pony Rod, 1 - 7/8" x 6' Pony Rod, 1 - 7/8" x 8' Pony Rod, 225 - 7/8" 8per Guided Rods (5625'), 4 - 1/2" Sinker Bars (100')

PUMP SIZE 2 1/2" x 1 3/4" x 21' x 24' RHAC

STROKE LENGTH: 144"

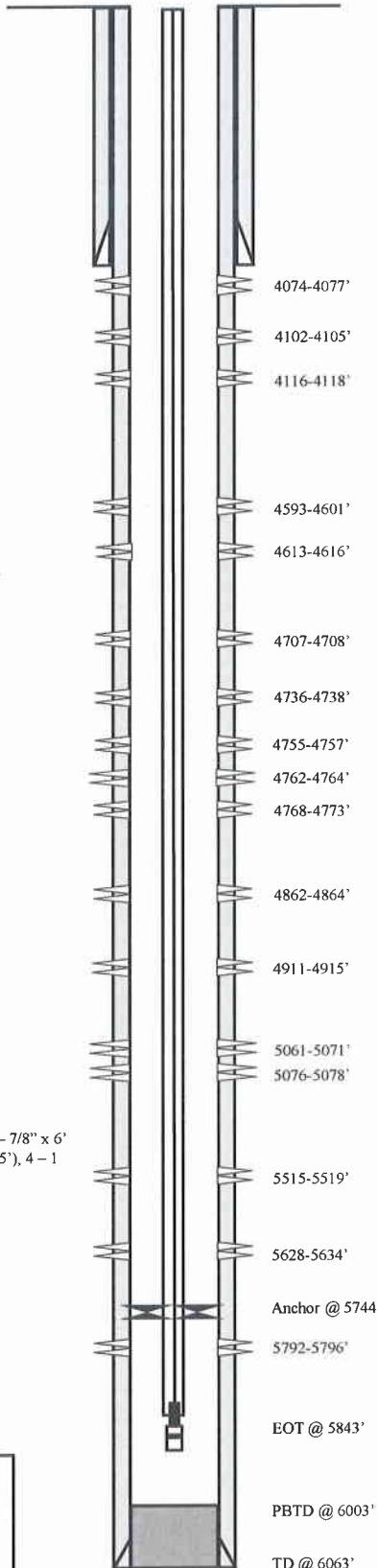
PUMP SPEED: 5 SPM

### FRAC JOB

|            |            |  |
|------------|------------|--|
| 11/30/2010 | 5515-5796' | <b>Frac CP1, CP3 &amp; CP5, sands as follows:</b><br>Frac with 20407# 20/40 brown sand in 328 bbls lightning 17 fluid; 501 bbls total fluid to recover |
| 12/08/2010 | 5061-5078' | <b>Frac A1, sands as follows:</b><br>Frac with 35843# 20/40 brown sand in 242 bbls lightning 17 fluid; 382 bbls total fluid to recover                 |
| 12/08/2010 | 4862-4915' | <b>Frac B1 &amp; B2, sands as follows:</b><br>Frac with 20423# 20/40 brown sand in 176 bbls lightning 17 fluid; 308 bbls total fluid to recover        |
| 12/08/2010 | 4707-4773' | <b>Frac C &amp; D3, sands as follows:</b><br>Frac with 65441# 20/40 brown sand in 406 bbls lightning 17 fluid; 531 bbls total fluid to recover         |
| 12/08/2010 | 4593-4616' | <b>Frac D1, sands as follows:</b><br>Frac with 40177# 20/40 brown sand in 269 bbls lightning 17 fluid; 391 bbls total fluid to recover                 |
| 12/08/2010 | 4074-4118' | <b>Frac GB4 &amp; GB6, sands as follows:</b><br>Frac with 32391# 20/40 brown sand in 226 bbls lightning 17 fluid; 338 bbls total fluid to recover      |

### PERFORATION RECORD

|            |        |          |
|------------|--------|----------|
| 5792-5796' | 3 JSPF | 12 holes |
| 5628-5634' | 3 JSPF | 18 holes |
| 5515-5519' | 3 JSPF | 12 holes |
| 5076-5078' | 3 JSPF | 6 holes  |
| 5061-5071' | 3 JSPF | 30 holes |
| 4911-4915' | 3 JSPF | 12 holes |
| 4862-4864' | 3 JSPF | 6 holes  |
| 4768-4773' | 3 JSPF | 15 holes |
| 4762-4764' | 3 JSPF | 6 holes  |
| 4755-4757' | 3 JSPF | 6 holes  |
| 4736-4738' | 3 JSPF | 6 holes  |
| 4707-4708' | 3 JSPF | 3 holes  |
| 4613-4616' | 3 JSPF | 9 holes  |
| 4593-4601' | 3 JSPF | 24 holes |
| 4116-4118' | 3 JSPF | 6 holes  |
| 4102-4105' | 3 JSPF | 9 holes  |
| 4074-4077' | 3 JSPF | 9 holes  |



**NEWFIELD**



**Jonah P-14-9-16**

513' FSL & 510' FEL (SE/SE)

Section 14, T9S, R16E

Duchesne County, Utah

API #43-013-34124, Lease # UTU-017985



## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Darren Betts**Well Name: **SWDIF**Lab Tech: **Gary Peterson**Sample Point: **After production filter**Sample Date: **12/9/2011**Sample ID: **WA-204150**Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

| Sample Specifics                  |           | Analysis @ Properties in Sample Specifics |         |  |          |
|-----------------------------------|-----------|---|---------|--|----------|
|                                   |           | Cations                                   |         | Anions   |          |
|                                   |           | mg/L                                      |         | mg/L   |          |
| Test Date:                        | 12/9/2011 | Sodium (Na):                              | 6799.09 | Chloride (Cl):   | 10000.00 |
| System Temperature 1 (°F):        | 300.00    | Potassium (K):                            | 26.10   | Sulfate (SO <sub>4</sub> ):                              | 2.00     |
| System Pressure 1 (psig):         | 3000.00   | Magnesium (Mg):                           | 9.40    | Bicarbonate (HCO <sub>3</sub> ):                         | 1024.80  |
| System Temperature 2 (°F):        | 70.00     | Calcium (Ca):                             | 26.80   | Carbonate (CO <sub>3</sub> ):                            | 0.00     |
| System Pressure 2 (psig):         | 14.70     | Strontium (Sr):                           | 0.00    | Acetic Acid (CH <sub>3</sub> COO):                       | 0.00     |
| Calculated Density (g/ml):        | 1.01      | Barium (Ba):                              | 24.20   | Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO):      | 0.00     |
| pH:                               | 8.20      | Iron (Fe):                                | 0.47    | Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO):       | 0.00     |
| Calculated TDS (mg/L):            | 17913.62  | Zinc (Zn):                                | 0.00    | Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO): | 0.00     |
| CO <sub>2</sub> in Gas (%):       | 0.00      | Lead (Pb):                                | 0.70    | Fluoride (F):  | 0.00     |
| Dissolved CO <sub>2</sub> (mg/L): | 0.00      | Ammonia NH <sub>3</sub> :                 | 0.00    | Bromine (Br):  | 0.00     |
| H <sub>2</sub> S in Gas (%):      | 0.00      | Manganese (Mn):                           | 0.06    | Silica (SiO <sub>2</sub> ):                              | 0.00     |
| H <sub>2</sub> S in Water (mg/L): | 10.00     |   |         |  |          |

## Notes:

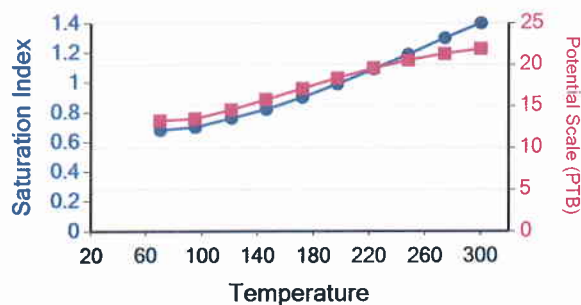
(PTB = Pounds per Thousand Barrels)

| Temp<br>(°F) | PSI  | Calcium Carbonate |       | Barium Sulfate |      | Iron Sulfide |      | Iron Carbonate |      | Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O |      | Celestite SrSO <sub>4</sub> |      | Halite NaCl |      | Zinc Sulfide |      |
|--------------|------|-------------------|-------|----------------|------|--------------|------|----------------|------|---|------|-----------------------------|------|-------------|------|--------------|------|
|              |      | SI                | PTB   | SI             | PTB  | SI           | PTB  | SI             | PTB  | SI  | PTB  | SI                          | PTB  | SI          | PTB  | SI           | PTB  |
| 70           | 14   | 0.68              | 13.26 | 0.21           | 0.60 | 2.60         | 0.26 | 0.67           | 0.27 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 95           | 346  | 0.70              | 13.48 | 0.00           | 0.00 | 2.38         | 0.26 | 0.78           | 0.28 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 121          | 678  | 0.76              | 14.55 | 0.00           | 0.00 | 2.24         | 0.26 | 0.91           | 0.30 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 146          | 1009 | 0.82              | 15.79 | 0.00           | 0.00 | 2.16         | 0.26 | 1.02           | 0.31 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 172          | 1341 | 0.90              | 17.10 | 0.00           | 0.00 | 2.12         | 0.26 | 1.13           | 0.32 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 197          | 1673 | 0.99              | 18.39 | 0.00           | 0.00 | 2.12         | 0.26 | 1.22           | 0.32 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 223          | 2004 | 1.09              | 19.55 | 0.00           | 0.00 | 2.15         | 0.26 | 1.31           | 0.33 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 248          | 2336 | 1.19              | 20.54 | 0.00           | 0.00 | 2.21         | 0.26 | 1.37           | 0.33 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 274          | 2668 | 1.30              | 21.32 | 0.00           | 0.00 | 2.28         | 0.26 | 1.42           | 0.33 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |
| 300          | 3000 | 1.40              | 21.90 | 0.00           | 0.00 | 2.36         | 0.26 | 1.46           | 0.33 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 0.00         | 0.00 |

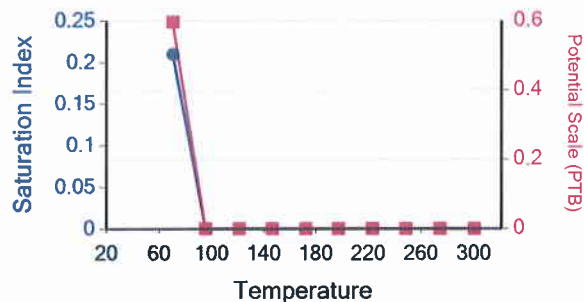
| Temp<br>(°F) | PSI  | Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O |      | Anhydrite CaSO <sub>4</sub> |      | Calcium Fluoride |      | Zinc Carbonate |      | Lead Sulfide |      | Mg Silicate |      | Ca Mg Silicate |      | Fe Silicate |      |
|--------------|------|--|------|-----------------------------|------|------------------|------|----------------|------|--------------|------|-------------|------|----------------|------|-------------|------|
|              |      | SI   | PTB  | SI                          | PTB  | SI               | PTB  | SI             | PTB  | SI           | PTB  | SI          | PTB  | SI             | PTB  | SI          | PTB  |
| 70           | 14   | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 13.45        | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 95           | 346  | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 12.59        | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 121          | 678  | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 11.89        | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 146          | 1009 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 11.28        | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 172          | 1341 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 10.76        | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 197          | 1673 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 10.32        | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 223          | 2004 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 9.93         | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 248          | 2336 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 9.60         | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 274          | 2668 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 9.30         | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 300          | 3000 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 0.00           | 0.00 | 9.03         | 0.28 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Lead Sulfide

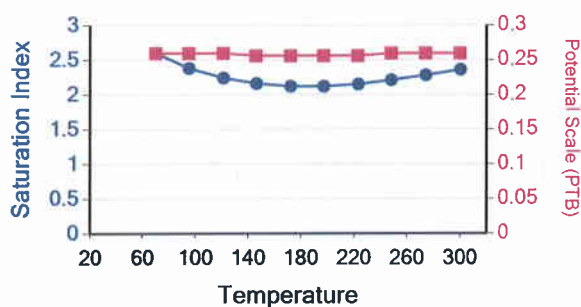
Calcium Carbonate



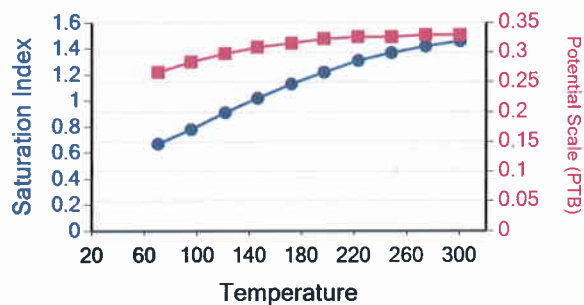
Barium Sulfate



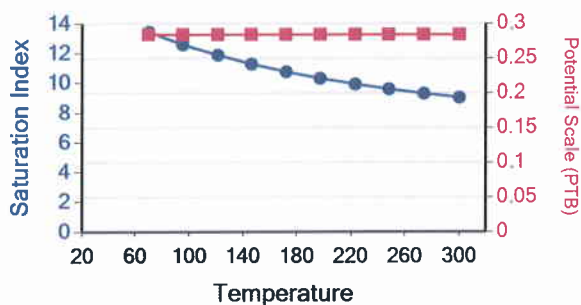
Iron Sulfide



Iron Carbonate



Lead Sulfide





## Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Sales Rep: **Darren Betts**Well Name: **FEDERAL 1-22-9-16**Lab Tech: **Gary Peterson**Sample Point: **Treater**Sample Date: **3/20/2012**Sample ID: **WA-210167**Scaling potential predicted using ScaleSoftPitzer from  
Brine Chemistry Consortium (Rice University)

| Sample Specifics                  |           | Analysis @ Properties in Sample Specifics |         |   |          |
|-----------------------------------|-----------|---|---------|---|----------|
|                                   |           | Cations                                   | mg/L    | Anions  | mg/L     |
| Test Date:                        | 3/29/2012 | Sodium (Na):                              | 9449.63 | Chloride (Cl):  | 10000.00 |
| System Temperature 1 (°F):        | 300.00    | Potassium (K):                            | 39.50   | Sulfate (SO <sub>4</sub> ):                             | 310.00   |
| System Pressure 1 (psig):         | 3000.00   | Magnesium (Mg):                           | 2.20    | Bicarbonate (HCO <sub>3</sub> ):                        | 7637.20  |
| System Temperature 2 (°F):        | 70.00     | Calcium (Ca):                             | 11.40   | Carbonate (CO <sub>3</sub> ):                           | 0.00     |
| System Pressure 2 (psig):         | 14.70     | Strontium (Sr):                           | 0.00    | Acetic Acid (CH <sub>3</sub> COO)                       | 0.00     |
| Calculated Density (g/ml):        | 1.02      | Barium (Ba):                              | 1.20    | Propionic Acid (C <sub>2</sub> H <sub>5</sub> COO)      | 0.00     |
| pH:                               | 9.80      | Iron (Fe):                                | 22.90   | Butanoic Acid (C <sub>3</sub> H <sub>7</sub> COO)       | 0.00     |
| Calculated TDS (mg/L):            | 27475.73  | Zinc (Zn):                                | 0.70    | Isobutyric Acid ((CH <sub>3</sub> ) <sub>2</sub> CHCOO) | 0.00     |
| CO <sub>2</sub> in Gas (%):       | 0.00      | Lead (Pb):                                | 0.30    | Fluoride (F):   | 0.00     |
| Dissolved CO <sub>2</sub> (mg/L): | 0.00      | Ammonia NH <sub>3</sub> :                 | 0.00    | Bromine (Br):   | 0.00     |
| H <sub>2</sub> S in Gas (%):      | 0.00      | Manganese (Mn):                           | 0.70    | Silica (SiO <sub>2</sub> ):                             | 0.00     |
| H <sub>2</sub> S in Water (mg/L): | 25.00     |   |         |   |          |

## Notes:

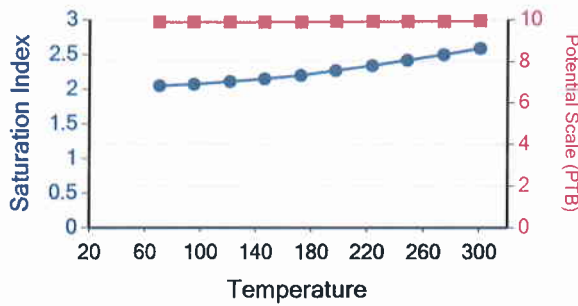
(PTB = Pounds per Thousand Barrels)

|           |      | Calcium Carbonate |      | Barium Sulfate |      | Iron Sulfide |       | Iron Carbonate |       | Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O |      | Celestite SrSO <sub>4</sub> |      | Halite NaCl |      | Zinc Sulfide |      |
|-----------|------|-------------------|------|----------------|------|--------------|-------|----------------|-------|---|------|-----------------------------|------|-------------|------|--------------|------|
| Temp (°F) | PSI  | SI                | PTB  | SI             | PTB  | SI           | PTB   | SI             | PTB   | SI  | PTB  | SI                          | PTB  | SI          | PTB  | SI           | PTB  |
| 70        | 14   | 2.05              | 9.89 | 0.81           | 0.60 | 5.86         | 12.64 | 3.84           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 12.88        | 0.36 |
| 95        | 346  | 2.07              | 9.89 | 0.57           | 0.52 | 5.63         | 12.64 | 3.96           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 12.35        | 0.36 |
| 121       | 678  | 2.11              | 9.90 | 0.38           | 0.41 | 5.46         | 12.64 | 4.06           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 11.89        | 0.36 |
| 146       | 1009 | 2.15              | 9.91 | 0.23           | 0.29 | 5.35         | 12.64 | 4.15           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 11.50        | 0.36 |
| 172       | 1341 | 2.20              | 9.92 | 0.11           | 0.16 | 5.28         | 12.64 | 4.23           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 11.17        | 0.36 |
| 197       | 1673 | 2.27              | 9.93 | 0.03           | 0.05 | 5.25         | 12.64 | 4.30           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 10.88        | 0.36 |
| 223       | 2004 | 2.34              | 9.93 | 0.00           | 0.00 | 5.24         | 12.64 | 4.36           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 10.62        | 0.36 |
| 248       | 2336 | 2.42              | 9.94 | 0.00           | 0.00 | 5.25         | 12.64 | 4.41           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 10.39        | 0.36 |
| 274       | 2668 | 2.50              | 9.95 | 0.00           | 0.00 | 5.27         | 12.64 | 4.44           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 10.18        | 0.36 |
| 300       | 3000 | 2.59              | 9.95 | 0.00           | 0.00 | 5.30         | 12.64 | 4.45           | 16.65 | 0.00  | 0.00 | 0.00                        | 0.00 | 0.00        | 0.00 | 9.98         | 0.36 |

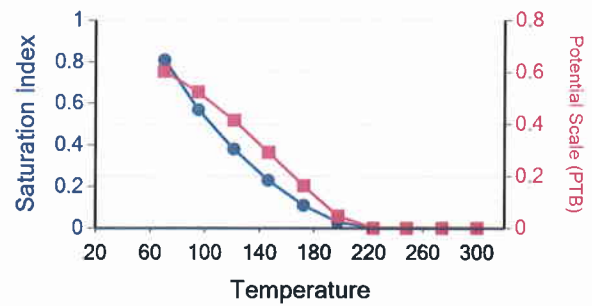
|           |      | Hemihydrate CaSO <sub>4</sub> ·0.5H <sub>2</sub> O |      | Anhydrite CaSO <sub>4</sub> |      | Calcium Fluoride |      | Zinc Carbonate |      | Lead Sulfide |      | Mg Silicate |      | Ca Mg Silicate |      | Fe Silicate |      |
|-----------|------|--|------|-----------------------------|------|------------------|------|----------------|------|--------------|------|-------------|------|----------------|------|-------------|------|
| Temp (°F) | PSI  | SI   | PTB  | SI                          | PTB  | SI               | PTB  | SI             | PTB  | SI           | PTB  | SI          | PTB  | SI             | PTB  | SI          | PTB  |
| 70        | 14   | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 1.81           | 0.46 | 14.92        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 95        | 346  | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 2.15           | 0.47 | 14.06        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 121       | 678  | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 2.45           | 0.47 | 13.32        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 146       | 1009 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 2.70           | 0.47 | 12.69        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 172       | 1341 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 2.92           | 0.47 | 12.14        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 197       | 1673 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 3.10           | 0.47 | 11.66        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 223       | 2004 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 3.25           | 0.47 | 11.23        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 248       | 2336 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 3.36           | 0.47 | 10.85        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 274       | 2668 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 3.44           | 0.47 | 10.51        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |
| 300       | 3000 | 0.00   | 0.00 | 0.00                        | 0.00 | 0.00             | 0.00 | 3.49           | 0.47 | 10.19        | 0.12 | 0.00        | 0.00 | 0.00           | 0.00 | 0.00        | 0.00 |

These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

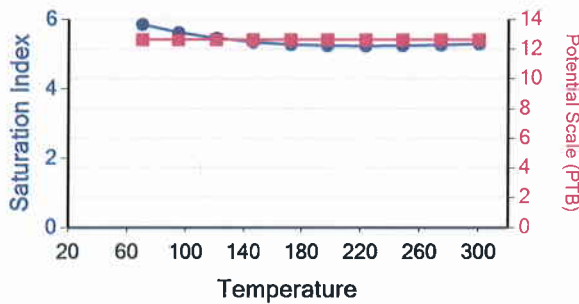
Calcium Carbonate



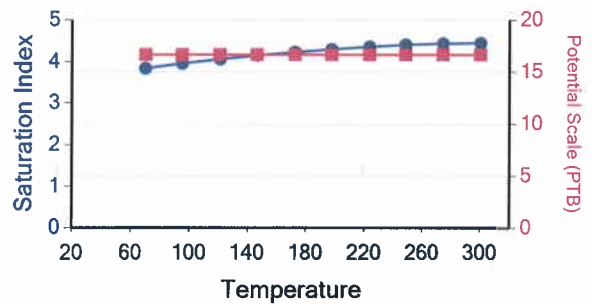
Barium Sulfate



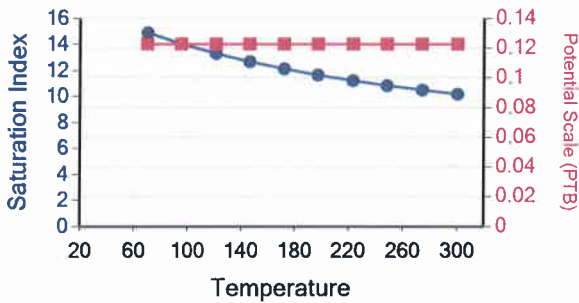
Iron Sulfide



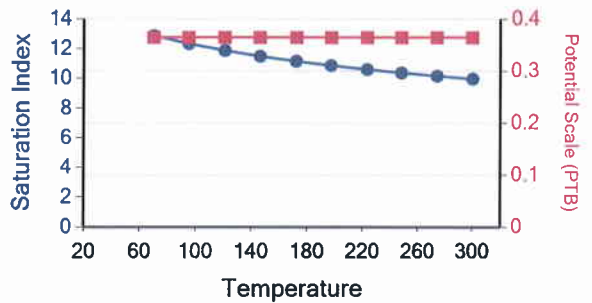
Iron Carbonate



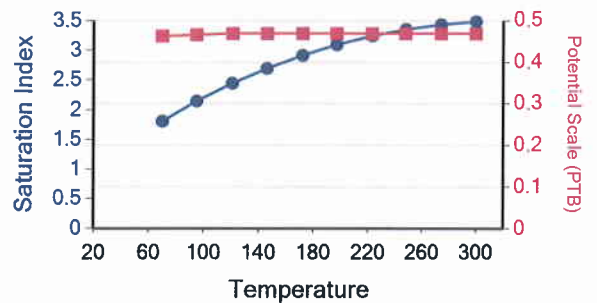
Lead Sulfide



Zinc Sulfide



Zinc Carbonate





## Attachment "G"

### Federal #1-22-9-16 Proposed Maximum Injection Pressure

| Frac Interval<br>(feet) |        | Avg. Depth<br>(feet) | ISIP<br>(psi) | Calculated<br>Frac<br>Gradient<br>(psi/ft) | Pmax        |
|-------------------------|--------|----------------------|---------------|--|-------------|
| Top                     | Bottom |                      |               |  |             |
| 5410                    | 5422   | 5416                 | 2130          | 0.83                                       | 2095        |
| 4718                    | 4730   | 4724                 | 1900          | 0.84                                       | 1869 ←      |
| 4002                    | 4007   | 4005                 | 2080          | 0.95                                       | 2054        |
|                         |        |                      |               | <b>Minimum</b>                             | <u>1869</u> |

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



## DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16

Report Date: 1-12-06

Day: 01

Operation: Completion

Rig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 327'

Prod Csg: 5-1/2" @ 5869'

Csg PBTD: 5790'WL

Tbg: Size: Wt:

Grd: Pkr/EOT @:

BP/Sand PBTD:

## PERFORATION RECORD

| Zone    | Perfs      | SPF/#shots | Zone | Perfs | SPF/#shots |
|---------|------------|------------|------|-------|------------|
|         |            |            |      |       |            |
|         |            |            |      |       |            |
| CP2 sds | 5410-5422' | 4/48       |      |       |            |
|         |            |            |      |       |            |
|         |            |            |      |       |            |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 11-Jan-06

SITP: SICP: 0

Instal 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5790' & cement top @ 120'. Perforate stage #1, CP2 sds @ 5410-5422' w/ 4" Port guns (19 gram, .46"HE. 120 ) w/ 4 spf for total of 48 shots. 138 bbls EWTR. SIFN.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138

Starting oil rec to date:

Fluid lost/recovered today: 0

Oil lost/recovered today:

Ending fluid to be recovered: 138

Cum oil recovered:

IFL: FFL: FTP:

Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Job Type:

Company:

Procedure or Equipment detail:

Engineered Equip. Inc. \$400

NPC NU crew \$300

NDSI trucking \$500

Perforators LLC \$5,638

Drilling cost \$293,215

D&amp;M Hot Oil \$300

Location preparation \$300

NPC wellhead \$1,500

Benco - anchors \$1,200

Admin. Overhead \$3,000

NPC Supervisor \$300

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: FG:

Completion Supervisor: Ron Shuck

DAILY COST: \$306,653

TOTAL WELL COST: \$306,653



## DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16Report Date: 17-Jan-06Day: 2aOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 327'Prod Csg: 5-1/2" @ 5869'Csg PBTD: 5790'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 

## PERFORATION RECORD

| Zone    | Perfs      | SPF/#shots | Zone | Perfs | SPF/#shots |
|---------|------------|------------|------|-------|------------|
|         |            |            |      |       |            |
|         |            |            |      |       |            |
|         |            |            |      |       |            |
| CP2 sds | 5410-5422' | 4/48       |      |       |            |
|         |            |            |      |       |            |
|         |            |            |      |       |            |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Jan-06SITP:  SICP: 0 psi

## Day 2a.

RU BJ's "Ram head". RU BJ Services. 0 psi on well. Frac CP2 sds w/ 45,584#'s of 20/40 sand in 483 bbls of Lightning 17 fluid. Broke @ 2180 psi. Treated w/ ave pressure of 2087 psi @ ave rate of 25 BPM. ISIP 2130 psi. Leave pressure on well. 621 BWTR. See Day 2b.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 138Starting oil rec to date: Fluid lost/recovered today: 483Oil lost/recovered today: Ending fluid to be recovered: 621Cum oil recovered: IFL:  FFL:  FTP: Choke:  Final Fluid Rate:  Final oil cut: 

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand fracEngineered Equip. Inc. \$70Company: BJ ServicesBJ Services-CP2 \$22,811Procedure or Equipment detail: CP2 sandsNPC & Betts frac wtr \$8284600 gals of padNPC fuel gas \$1383218 gals W/ 1-4 ppg of 20/40 sandWeatherford tool/serv \$9506420 gals W/ 4-6.5 ppg of 20/40 sandNPC Supervisor \$100743 gals W/ 6.5 ppg of 20/40 sandNPC trucking \$400Flush W/ 504 gals of 15% HCL acidFlush W/ 4788 gals of slick water\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*Max TP: 2342 Max Rate: 25.3 BPM Total fluid pmpd: 483 bblsAvg TP: 2087 Avg Rate: 25 BPM Total Prop pmpd: 45,584#'sISIP: 2130 5 min:  10 min:  FG: .83Completion Supervisor: Orson BarneyDAILY COST: \$25,297TOTAL WELL COST: \$331,950



3087

## DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16Report Date: 17-Jan-06Day: 2bOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 327' Prod Csg: 5-1/2" @ 5869' Csg PBTD: 5790'WL  
 Tbg: Size: \_\_\_\_\_ Wt: \_\_\_\_\_ Grd: \_\_\_\_\_ Pkr/EOT @: \_\_\_\_\_ BP/Sand PBTD: 4900'

## PERFORATION RECORD

| Zone    | Perfs       | SPF/#shots | Zone | Perfs | SPF/#shots |
|---------|-------------|------------|------|-------|------------|
| B1 sds  | 4718- 4730' | 4/48       |      |       |            |
| B2 sds  | 4768- 4786' | 4/72       |      |       |            |
| CP2 sds | 5410-5422'  | 4/48       |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Jan-06SITP: \_\_\_\_\_ SICP: 1405 psi

## Day 2b.

RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" flow through plug, 12' & 18' (3 1/8") perf guns Set plug @ 4900'. Perforate B2 sds @ 4768- 86', B1 sds @ 4718- 30'. All 4 SPF for a total of 120 holes (2 runs). RL BJ Services. 1405 psi on well. Frac B2 & B1 sds w/ 124,027#'s of 20/40 sand in 851 bbls of Lightning 17 fluid. Broke @ 1727 psi. Treated w/ ave pressure of 1490 psi @ ave rate of 24.9 BPM. ISIP 1900 psi. Leave pressure on well 1472 BWTR. See Day 2c.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 621 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 851 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1472 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand fracCompany: BJ ServicesProcedure or Equipment detail: B1&2 sands

9400 gals of pad

6319 gals W/ 1-5 ppg of 20/40 sand

12622 gals W/ 5-8 ppg of 20/40 sand

2773 gals W/ 8 ppg of 20/40 sand

Flush W/ 504 gals of 15% HCL acid

Flush W/ 4116 gals of slick water

\*\*Flush called @ blender--includes 2 bbls pump/line volume\*\*

Max TP: 1744 Max Rate: 25.6 BPM Total fluid pmpd: 851 bblsAvg TP: 1490 Avg Rate: 24.9 BPM Total Prop pmpd: 124,027#'sISIP: 1900 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: .83Completion Supervisor: Orson BarneyEngineered Equip. Inc. \$70BJ Services-B1&2 \$27,916NPC & Betts frac wtr \$2,304NPC fuel gas \$384Weatherford tool/serv \$2,450Lone Wolf WL \$8,188NPC Supervisor \$100DAILY COST: \$41,412TOTAL WELL COST: \$373,362



## DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16Report Date: 17-Jan-06Day: 2cOperation: CompletionRig: Rigless

## WELL STATUS

Surf Csg: 8-5/8' @ 327'Prod Csg: 5-1/2" @ 5869'Csg PBTD: 5790'WLTbg: Size: Wt:Grd: Pkr/EOT @:BP/Sand PBTD: 4110'BP: 4900'

## PERFORATION RECORD

| Zone    | Perfs       | SPF/#shots | Zone | Perfs | SPF/#shots |
|---------|-------------|------------|------|-------|------------|
| GB6 sds | 4002- 4007' | 4/20       |      |       |            |
| B1 sds  | 4718- 4730' | 4/48       |      |       |            |
| B2 sds  | 4768- 4786' | 4/72       |      |       |            |
| CP2 sds | 5410-5422'  | 4/48       |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Jan-06SITP: SICP: 1670 psi

## Day 2c.

RU Lone Wolf WLT, Crane & lubricator. RIH w/ Weatherford 5 1/2" flow through plug & 5' (3 1/8") perf guns. Set plug @ 4110'. Perforate GB6 sds @ 4002- 07'. All 4 SPF for a total of 20 holes. RU BJ Services. 1670 psi on well Pressured up to 4200 psi, Would not breakdown. RU Lone Wolf WL & dump bail acid. RU BJ Services. Frac GB6 sds w/ 23,163#'s of 20/40 sand in 305 bbls of Lightning 17 fluid. Broke @ 4080 psi. Treated w/ ave pressure of 1785 ps @ ave rate of 14.5 BPM. ISIP 2080 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 6 hrs 8 died. Rec. 346 BTF, Light oil & gas at end of flowback (21% of total frac load). 1431 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1472Starting oil rec to date: Fluid lost/recovered today: 41Oil lost/recovered today: Ending fluid to be recovered: 1431Cum oil recovered: IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

## COSTS

Base Fluid used: Lightning 17 Job Type: Sand fracEngineered Equip. Inc. \$70Company: BJ ServicesBJ Services-GB6 \$10,568Procedure or Equipment detail: GB6 sandsNPC & Betts frac wtr \$468798 gals to breakdown & get crosslink.NPC fuel gas \$782500 gals of padWeatherford tool/serv \$2,4501915 gals W/ 1-4 ppg of 20/40 sandLone Wolf WL \$1,3653733 gals W/ 4-6.5 ppg of 20/40 sandNPC Supervisor \$100Flush W/ 3877 gals of slick waterNPC/Betts wtr transfer \$400Unichem chemicals \$350Wtr disposal/trucking \$400NPC flowback hand \$300Max TP: 1828 Max Rate: 14.6 BPM Total fluid pmpd: 305 bblsAvg TP: 1785 Avg Rate: 14.5 BPM Total Prop pmpd: 23,163#'sISIP: 2080 5 min: 10 min: FG: .95Completion Supervisor: Orson BarneyDAILY COST: \$16,549TOTAL WELL COST: \$389,911



## DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16

Report Date: Jan. 18, 2006

Day: 03

Operation: Completion

Rig: NC #3

## WELL STATUS

Surf Csg: 8-5/8' @ 327' Prod Csg: 5-1/2" @ 5869' Csg PBTD: 5790'WL  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 5619' BP/Sand PBTD: 5684'

## PERFORATION RECORD

| Zone    | Perfs       | SPF/#shots | Zone | Perfs | SPF/#shots |
|---------|-------------|------------|------|-------|------------|
| GB6 sds | 4002- 4007' | 4/20       |      |       |            |
| B1 sds  | 4718- 4730' | 4/48       |      |       |            |
| B2 sds  | 4768- 4786' | 4/72       |      |       |            |
| CP2 sds | 5410-5422'  | 4/48       |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Jan. 17, 2006

SITP: SICP: 25

MIRU NC #3. Thaw wellhead & frac valve W/ HO truck. Bleed pressure off well. Rec est 5 BTF. ND frac valve & 5W frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ usec Weatherford 4 3/4" "Chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag plug @ 4110'. Tbg displaced 10 BW or TIH. RU power swivel. C/O sd & drill out composite bridge as follows (using conventional circulation): no sd, plug @ 4110' in 40 minutes; sd @ 4703', plug @ 4900' in 35 minutes. Hang back swivel & con't PU tbg. Tag fill @ 5430'. Drill plug remains & sd to 5684'. Circ hole clean W/ no fluid loss. RD swivel. Pull EOT to 5619'. SIFN W/ est 1416 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1431 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 15 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1416 Cum oil recovered: \_\_\_\_\_  
 IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## STIMULATION DETAIL

## COSTS

Base Fluid used: Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

Procedure or Equipment detail:

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|                     |           |
|---------------------|-----------|
| NC #3 rig           | \$4,978   |
| Weatherford BOP     | \$140     |
| D & M HO truck      | \$200     |
| NDSI trucking       | \$1,400   |
| NDSI wtr & truck    | \$400     |
| NPC trucking        | \$300     |
| Four Star swivel    | \$750     |
| Aztec - new J55 tbg | \$29,251  |
| NPC sfc equipment   | \$130,000 |
| R & T labor/welding | \$19,500  |
| Mt. West sanitation | \$550     |
| Monks pit reclaim   | \$1,800   |
| NPC supervision     | \$300     |

Max TP: Max Rate: Total fluid pmpd: \_\_\_\_\_

Avg TP: Avg Rate: Total Prop pmpd: \_\_\_\_\_

ISIP: 5 min: 10 min: FG: \_\_\_\_\_

Completion Supervisor: Gary Dietz

DAILY COST: \$189,569

TOTAL WELL COST: \$579,480



## DAILY COMPLETION REPORT

WELL NAME: Federal 1-22-9-16

Report Date: Jan. 19, 2006

Day: 04

Operation: Completion

Rig: NC #3

## WELL STATUS

Surf Csg: 8-5/8' @ 327' Prod Csg: 5-1/2" @ 5869' Csg PBTD: 5824'  
 Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Anchor @: 5403' BP/Sand PBTD: 5824'

## PERFORATION RECORD

| Zone    | Perfs       | SPF/#shots | Zone | Perfs | SPF/#shots |
|---------|-------------|------------|------|-------|------------|
| GB6 sds | 4002- 4007' | 4/20       |      |       |            |
| B1 sds  | 4718- 4730' | 4/48       |      |       |            |
| B2 sds  | 4768- 4786' | 4/72       |      |       |            |
| CP2 sds | 5410-5422'  | 4/48       |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |
|         |             |            |      |       |            |

## CHRONOLOGICAL OPERATIONS

Date Work Performed: Jan. 18, 2006

SITP: 0 SICP: 0

Thaw wellhead, BOP & tbg stump W/ HO truck. TIH W/ bit & tbg f/ 5619'. Tag fill @ 5676'. PU swivel. Finish C/O sc to PBTD @ 5824'. Circ hole clean W/ no fluid loss. RD swivel. Pull EOT to 5728'. RU swab equipment. IFL @ sfc Made 10 swb runs rec 111 BTF W/ light gas, tr oil & no sand. FFL @ 1500'. TIH W/ tbg. Tag fill @ 5820' (4' new fill) C/O sd to PBTD @ 5684'. Circ hole W/ clean wtr. Lost est 45 BW & rec tr oil. LD excess tbg. TOH W/ tbg-LD bit TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 1 jt tbg, new CDI 5 1/2" TA (45K) & 170 jts 2 7/8 8rc 6.5# J-55 tbg. ND BOP. Set TA @ 5403' W/ SN @ 5437' & EOT @ 5502'. Land tbg W/ 15,000# tension. NL wellhead. SIFN W/ est 1350 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 1416 Starting oil rec to date: \_\_\_\_\_  
 Fluid lost/recovered today: 66 Oil lost/recovered today: \_\_\_\_\_  
 Ending fluid to be recovered: 1350 Cum oil recovered: \_\_\_\_\_  
 IFL: sfc FFL: 1500' FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: tr

## STIMULATION DETAIL

## COSTS

Base Fluid used: \_\_\_\_\_ Job Type: \_\_\_\_\_

Company: \_\_\_\_\_

Procedure or Equipment detail: \_\_\_\_\_

|                      |         |
|----------------------|---------|
| NC #3 rig            | \$4,496 |
| Weatherford BOP      | \$140   |
| D & M HO truck       | \$200   |
| Four Star swivel     | \$750   |
| NPC location cleanup | \$300   |
| NPC wtr disposal     | \$3,000 |
| CDI TA               | \$525   |
| CDI SN               | \$80    |
| NPC supervision      | \$300   |
|                      |         |
|                      |         |
|                      |         |

Max TP: \_\_\_\_\_ Max Rate: \_\_\_\_\_ Total fluid pmpd: \_\_\_\_\_

Avg TP: \_\_\_\_\_ Avg Rate: \_\_\_\_\_ Total Prop pmpd: \_\_\_\_\_

ISIP: \_\_\_\_\_ 5 min: \_\_\_\_\_ 10 min: \_\_\_\_\_ FG: \_\_\_\_\_

Completion Supervisor: Gary Dietz

DAILY COST: \$9,791

TOTAL WELL COST: \$589,271





**Day: 05**

Rig: NC #3

**Completion Supervisor:** Gary Dietz

## **ATTACHMENT H**

### **WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. Set CIBP @ 3952'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 175' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 44 sx Class "G" cement down 5 ½" casing to 377'

The approximate cost to plug and abandon this well is \$42,000.

## Federal 1-22-9-16

Spud Date: 12-26-05  
 Put on Production: 01-19-06  
 GL: 5742' KB: 5754'

Initial Production: BOPD,  
 MCFD, BWPD

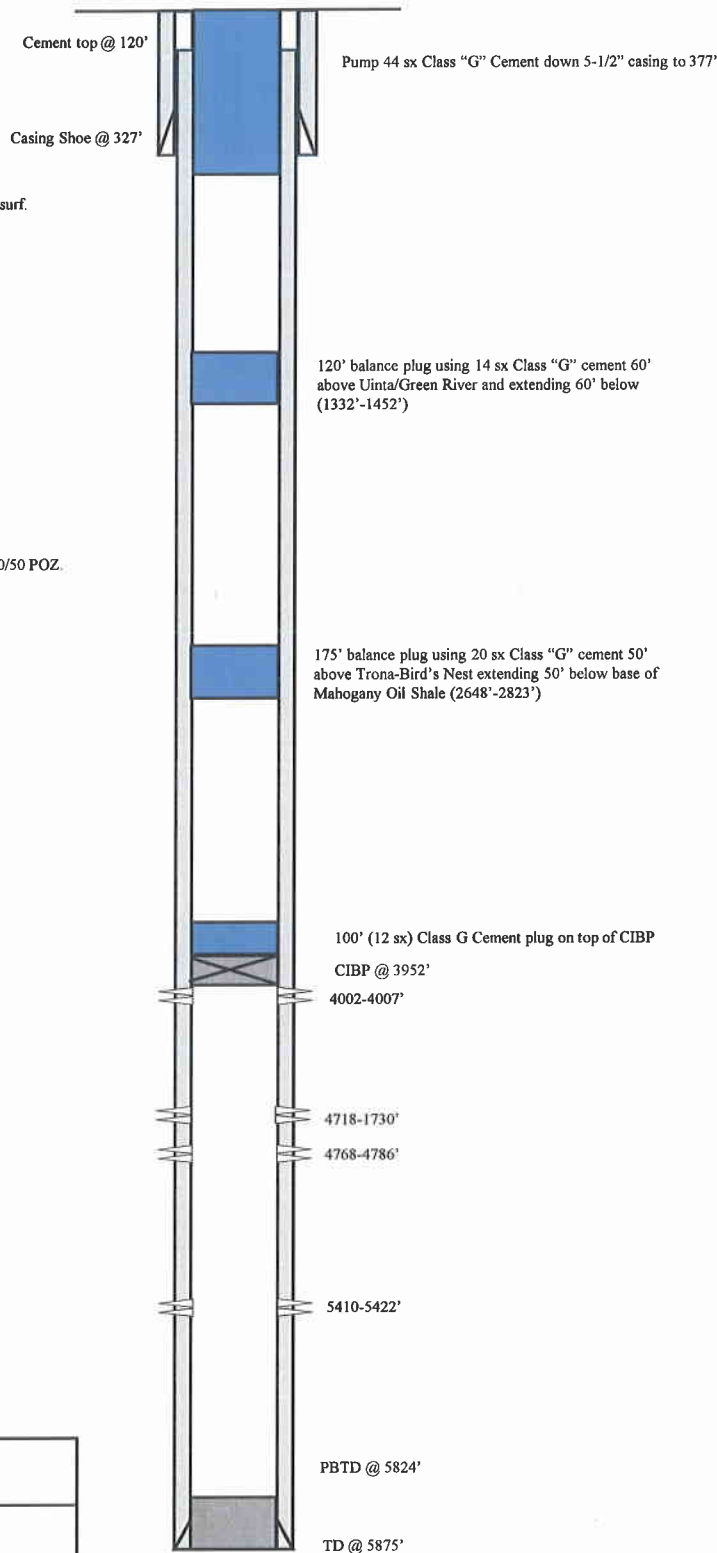
Proposed P & A  
 Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (315.48')  
 DEPTH LANDED: 327.33' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts. (5871.28')  
 DEPTH LANDED: 5869.78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 120'

**NEWFIELD****Federal 1-22-9-16**

887' FNL &amp; 963' FEL

NE/NE Section 22-T9S-R16E

Duchesne Co, Utah

API #43-013-32612; Lease #UTU-74392

1770 S. 5600 W.  
P.O. BOX 704005  
WEST VALLEY CITY, UTAH 84170  
FED. TAX I.D.# 87-0217663

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

| CUSTOMER NAME AND ADDRESS  | ACCOUNT NUMBER | DATE      |
|--|----------------|-----------|
| DIV OF OIL-GAS & MINING,<br>1594 W NORTH TEMP #1210<br>P.O. BOX 145801<br>SALT LAKE CITY, UT 84114 | 9001402352     | 5/25/2012 |

JUN 04 2012

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-392

|   |                |
|---|----------------|
| ACCOUNT NAME  |                |
| DIV OF OIL-GAS & MINING,                              |                |
| TELEPHONE   | ADORDER#       |
| 8015385340  | 0000794885     |
| SCHEDULE  |                |
| Start 05/25/2012                                      | End 05/25/2012 |
| CUST. REF. NO.  |                |
| Newfield Prod UIC-392                                 |                |
| CAPTION   |                |
| BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT |                |
| SIZE  |                |
| 87 Lines  | 3.00           |
| TIMES   |                |
| 3   |                |
| MISC. CHARGES   | AD             |
|   | TC             |

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Monument Federal 22-121 well located in SE/4 NW/4, Section 12, Township 9 South, Range 16 East  
API 43-013-15796  
Federal 3-13-9-16 well located in SW/4 NW/4, Section 13, Township 9 South, Range 16 East  
API 43-013-32658  
Federal 13-15-9-16 well located in SW/4 SW/4, Section 15, Township 9 South, Range 16 East  
API 43-013-33136  
Federal 7-17-9-16 well located in SW/4 NE/4, Section 17, Township 9 South, Range 16 East  
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API 43-013-33062  
Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East  
API 43-013-33174  
Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33066  
Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33067  
Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33104  
Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33068  
Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-33145  
Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South, Range 16 East  
API 43-013-31726  
Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-32612  
Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East  
API 43-013-33027  
Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33176  
Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33178  
Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33182  
Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33084  
Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33344  
Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East  
API 43-013-31394

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

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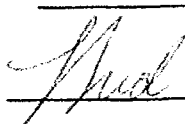
Dated this 22nd day of May, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ Brad Hill  
Permitting Manager  
794885

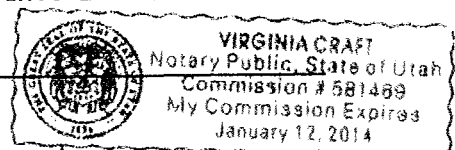
AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ABOVE NOTICED MATTER WAS PUBLISHED IN THE SALT LAKE TRIBUNE, A NEWSPAPER OF GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SAL  
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES  
CAUSE NO. UIC-392 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING DEPARTMENT OF NATURAL RESOURCES  
COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND IN ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SAL  
NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY

PUBLISHED ON Start 05/25/2012 End 05/25/2012

SIGNATURE 

5/25/2012



THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT

Send Payments to:  
 Uintah Basin Standard  
 268 S 200 E  
 Roosevelt, Utah 84066  
 Phone: 435-722-5131  
 Fax: 435-722-4140



|                |              |
|----------------|--------------|
| Invoice Number | Invoice Date |
| 30968          | 5/30/2012    |
| Invoice Amount | Due Date     |
| \$191.45       | 6/29/2012    |

DIVISION OF OIL GAS & MINING  
 Rose Norton  
 1594 W. N. TEMPLE STE 121  
 PO BOX 145801  
 SALT LAKE CITY, UT 84114-5801

RECEIVED  
 MAY 05 2012  
 DIVISION OF OIL GAS & MINING

1 1/2% fee will be charged to all  
 past due balances.

**Amount Enclosed**

Please detach top portion and return with your payment.

**INVOICE**

| Uintah Basin Standard |       | DIVISION OF OIL GAS & MINING |   |                       | Invoice No. 30968 |          | 5/30/2012 |  |
|-----------------------|-------|------------------------------|---|-----------------------|-------------------|----------|-----------|--|
| Date                  | Order | Description                  | Ad Size   | SubTotal              | Sales Tax         | Amount   |           |  |
| 5/30/2012             | 15615 | UBS                          | UBS Legal Notice: Not of Agcy Actn: Newfield Cause No. UIC-392<br>Pub. May 29, 2012 |                       |                   | \$191.45 |           |  |
|                       |       |                              |   | Sub Total:            |                   | \$191.45 |           |  |
|                       |       |                              |   | Total Transactions: 1 |                   | Total:   | \$191.45  |  |

**SUMMARY**      Advertiser No.      2080      Invoice No.      30968

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!

High School graduate  
experience as a jo  
hician in an industria

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-392

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-33030  
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API 43-013-33174  
Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East  
API 43-013-33066  
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API 43-013-33067  
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API 43-013-33027  
Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33176



Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33178  
Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East  
API 43-013-33182  
Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33084  
Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East  
API 43-013-33344  
Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East  
API 43-013-31394

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Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

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Dated this 22<sup>nd</sup> day of May, 2012.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

A handwritten signature in black ink, appearing to read 'Brad Hill', is written over a horizontal line.

Brad Hill  
Permitting Manager

**Newfield Production Company**

**MONUMENT FEDERAL 22-12J, FEDERAL 5-13-9-16, FEDERAL 13-15-9-16, FEDERAL 7-17-9-16, FEDERAL 1-19-9-16, FEDERAL 5-19-9-16, FEDERAL 1-20-9-16, FEDERAL 3-20-9-16, FEDERAL 5-20-9-16, FEDERAL 9-20-9-16, FEDERAL 9-21-9-16, MONUMENT FEDERAL 31-21-9-16Y, FEDERAL 1-22-9-16, FEDERAL 7-22-9-16, FEDERAL 3-23-9-16, FEDERAL 11-23-9-16, FEDERAL 15-23-9-16, FEDERAL 3-24-9-16, FEDERAL 15-24-9-16, FEDERAL 21-25Y**

**Cause No. UIC-392**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Uintah Basin Standard  
268 S 200 E  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Vernal Office  
Bureau of Land Management  
170 S 500 E  
Vernal, UT 84078

SITLA  
675 E 500 S Ste 500  
Salt Lake City, UT 84102-2818

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

  
\_\_\_\_\_



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 22, 2012

Via e-mail [legals@ubstandard.com](mailto:legals@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**Jean Sweet - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-392**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 5/23/2012 3:07 PM  
**Subject:** Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

---

On 5/22/2012 2:09 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

It will be in the May 29 edition.

Thank you.

Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 22, 2012

Via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-392

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Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure



**From:** "Fultz, Mark" <naclegal@mediaoneutah.com>  
**To:** <jsweet@utah.gov>  
**Date:** 5/22/2012 2:32 PM  
**Subject:** Proof for Notice of Agency Action  
**Attachments:** OrderConf.pdf

AD# 794885  
Run SL Trib 5/25/12  
Cost \$331.25  
Please advise of any changes  
Thank You  
Ken

## Order Confirmation for Ad #0000794885-01

|                     |   |                       |   |
|---------------------|---|-----------------------|---|
| <b>Client</b>       | DIV OF OIL-GAS & MINING   | <b>Payor Customer</b> | DIV OF OIL-GAS & MINING                                     |
| <b>Client Phone</b> | 801-538-5340  | <b>Payor Phone</b>    | 801-538-5340  |
| <b>Account#</b>     | [REDACTED]  | <b>Payor Account</b>  | [REDACTED]  |
| <b>Address</b>      | 1594 W NORTH TEMP #1210,P.O. BOX 145801<br>SALT LAKE CITY, UT 84114 USA | <b>Payor Address</b>  | 1594 W NORTH TEMP #1210,P.O. BO<br>SALT LAKE CITY, UT 84114 |
| <b>Fax</b>          | 801-359-3940  | <b>Ordered By</b>     | <b>Acct. Exec</b>   |
| <b>EMail</b>        | earlenerussell@utah.gov   | Jean                  | kstowe  |

|                            |                 |                    |                       |                   |
|----------------------------|-----------------|--------------------|-----------------------|-------------------|
| <b>Total Amount</b>        | <b>\$331.25</b> |                    |                       |                   |
| <b>Payment Amt</b>         | <b>\$0.00</b>   |                    |                       |                   |
|                            |                 | <u>Tear Sheets</u> | <u>Proofs</u>         | <u>Affidavits</u> |
| <b>Amount Due</b>          | <b>\$331.25</b> | 0                  | 0                     | 1                 |
| <b>Payment Method</b>      |                 | <u>PO Number</u>   | Newfield Prod UIC-392 |                   |
| <b>Confirmation Notes:</b> |                 |                    |                       |                   |
| <b>Text:</b>               | Jean            |                    |                       |                   |

|                |                |              |
|----------------|----------------|--------------|
| <b>Ad Type</b> | <b>Ad Size</b> | <b>Color</b> |
| Legal Liner    | 3.0 X 87 Li    | <NONE>       |

|                           |                           |                                 |
|---------------------------|---------------------------|---------------------------------|
| <u><b>Product</b></u>     | <u><b>Placement</b></u>   | <u><b>Position</b></u>          |
| Salt Lake Tribune::       | Legal Liner Notice - 0998 | Public Meeting/Hear-ing Notices |
| <b>Scheduled Date(s):</b> | 05/25/2012                |                                 |
| <u><b>Product</b></u>     | <u><b>Placement</b></u>   | <u><b>Position</b></u>          |
| sltrib.com::              | Legal Liner Notice - 0998 | Public Meeting/Hear-ing Notices |
| <b>Scheduled Date(s):</b> | 05/25/2012                |                                 |
| <u><b>Product</b></u>     | <u><b>Placement</b></u>   | <u><b>Position</b></u>          |
| utahlegals.com::          | utahlegals.com            | utahlegals.com                  |
| <b>Scheduled Date(s):</b> | 05/25/2012                |                                 |

## Order Confirmation for Ad #0000794885-01

Ad Content Proof Actual Size

# Order Confirmation for Ad #0000794885-01

Ad Content Proof 135%

**BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-392**

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 12, 13, 15, 17, 19, 20, 21, 22, 23, 24, AND 25, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-32658

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API 43-013-33136

Federal 7-17-9-16 well located in SW/4 NE/4, Section 17, Township 9 South, Range 16 East

API 43-013-33030

Federal 1-19-9-16 well located in NE/4 NE/4, Section 19, Township 9 South, Range 16 East

API 43-013-33062

Federal 5-19-9-16 well located in SW/4 NW/4, Section 19, Township 9 South, Range 16 East

API 43-013-33174

Federal 1-20-9-16 well located in NE/4 NE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33066

Federal 3-20-9-16 well located in NE/4 NW/4, Section 20, Township 9 South, Range 16 East

API 43-013-33067

Federal 5-20-9-16 well located in SW/4 NW/4, Section 20, Township 9 South, Range 16 East

API 43-013-33104

Federal 9-20-9-16 well located in NE/4 SE/4, Section 20, Township 9 South, Range 16 East

API 43-013-33068

Federal 9-21-9-16 well located in NE/4 SE/4, Section 21, Township 9 South, Range 16 East

API 43-013-33145

Monument Federal 31-21-9-16Y well located in NW/4 NE/4, Section 21, Township 9 South, Range 16 East

API 43-013-31726

Federal 1-22-9-16 well located in NE/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-32612

Federal 7-22-9-16 well located in SW/4 NE/4, Section 22, Township 9 South, Range 16 East

API 43-013-33027

Federal 3-23-9-16 well located in NE/4 NW/4, Section 23, Township 9 South, Range 16 East

API 43-013-33176

Federal 11-23-9-16 well located in NE/4 SW/4, Section 23, Township 9 South, Range 16 East

API 43-013-33178

Federal 15-23-9-16 well located in SW/4 SE/4, Section 23, Township 9 South, Range 16 East

API 43-013-33182

Federal 3-24-9-16 well located in NE/4 NW/4, Section 24, Township 9 South, Range 16 East

API 43-013-33084

Federal 15-24-9-16 well located in SW/4 SE/4, Section 24, Township 9 South, Range 16 East

API 43-013-33344

Federal 21-25Y well located in NE/4 NW/4, Section 25, Township 9 South, Range 16 East

API 43-013-31394

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 22nd day of May, 2012.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

/s/Brad Hill

Permitting Manager

794885

UPAXLP





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

August 21, 2012

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 1-22-9-16, Section 22, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-32612

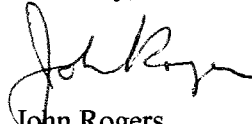
Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,784 feet in the Federal 1-22-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

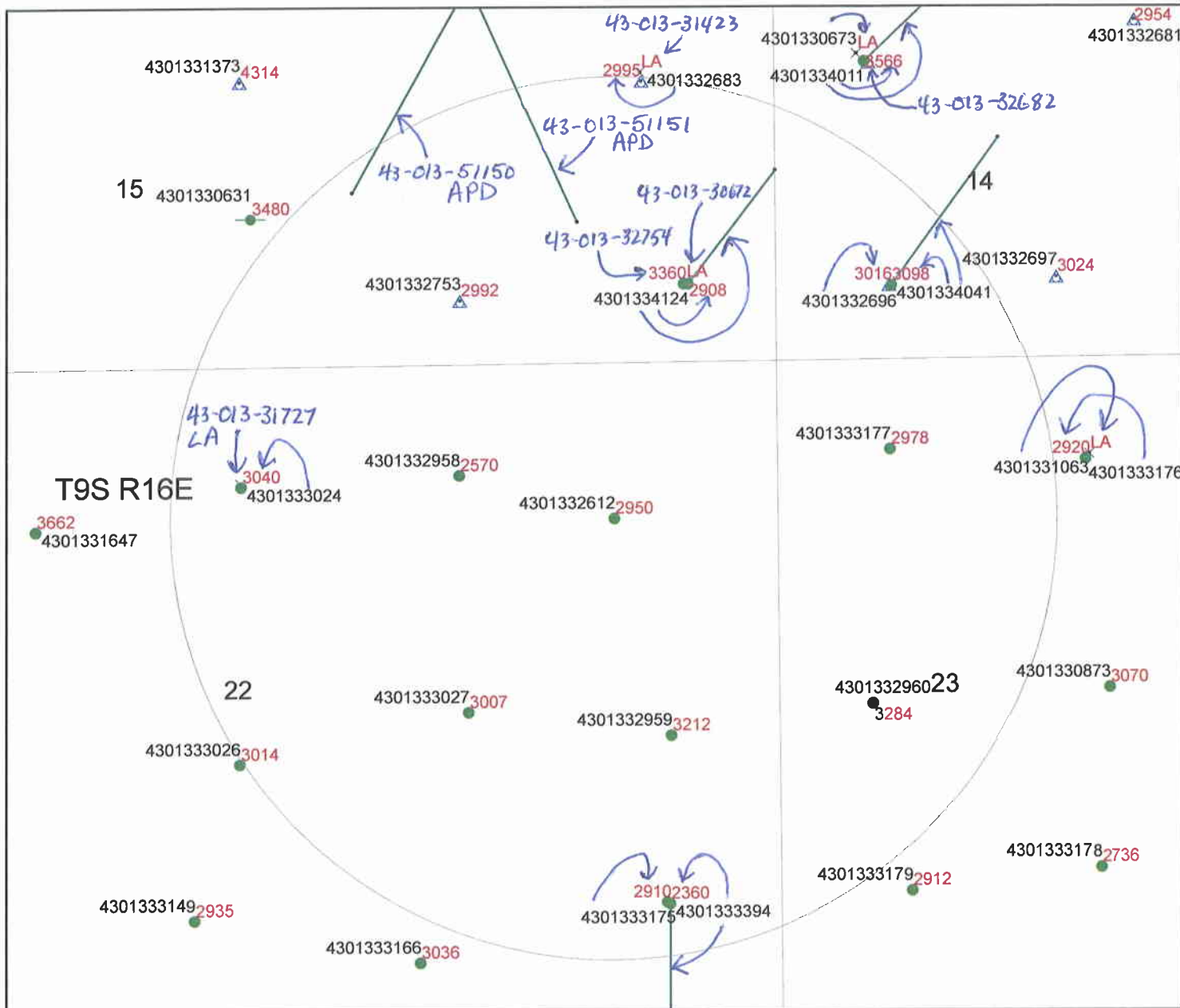
  
John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





Cement Bond Tops  
FEDERAL 1-22-9-16  
API #43-013-32612  
UIC 392.13

## Legend

- |   |   |
|---|---|
| Buffer_of_SGID93_ENERGY_DNROilGasWells_87 | PGW                                     |
| SGID93_ENERGY_DNROilGasWells              | POW                                     |
| <b>SGID93_ENERGY_DNROilGasWells</b>       | RET                                     |
| <b>GIS_STAT_TYPE</b>                      | SGW                                     |
| ○ APD                                     | SOW                                     |
| ⊙ DRL                                     | TA                                      |
| ⊗ GIW                                     | TW                                      |
| ○ <sub>GS</sub> GSW                       | WDW                                     |
| × LA                                      | WIW                                     |
| ○ LOC                                     | WSW                                     |
| ○ OPS                                     |   |
| ⊙ PA                                      |   |
|   | SGID93_BOUNDARIES_Countries             |
|   | • SGID93_ENERGY_DNROilGasWells_HDBottom |
|   | — SGID93_ENERGY_DNROilGasWells_HDPath   |
|   | • Wells-CbitopsMaster08_14_12           |

0 0.05 0.1 0.2 0.3 0.4 Miles



1870calc = approx cement top calculated from well completion report

**DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM  
PERMIT  
STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Federal 1-22-9-16

**Location:** 22/9S/16E      **API:** 43-013-32612

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 327 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,870 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,950 feet. A 2 7/8 inch tubing with a packer will be set at 3,952 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. Based on surface locations, there are 12 producing wells and 2 injection wells in the AOR. Two of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. In addition, there are two approved surface locations outside the AOR from which directional wells will be drilled to bottom hole locations inside the AOR. All of the existing wells have evidence of adequate casing and cement for the proposed injection interval.

**Ground Water Protection:** As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2600 feet. Injection shall be limited to the interval between 3,784 feet and 5,824 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 1-22-9-16 well is 0.84 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,869 psig. The requested maximum pressure is 1,869 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Federal 1-22-9-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 8/16/2012

|   |  |   |
|---|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |  | <b>FORM 9</b>   |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-74392 |
| <b>1. TYPE OF WELL</b><br>Oil Well  |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b><br><br>        |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY  |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)         |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630, Myton, UT, 84052   |  | <b>8. WELL NAME and NUMBER:</b><br>FEDERAL 1-22-9-16        |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0887 FNL 0963 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S   |  | <b>9. API NUMBER:</b><br>43013326120000                     |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext  |  | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE      |
| <b>COUNTY:</b><br>DUCHESNE  |  | <b>STATE:</b><br>UTAH                                       |
| <b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>  |  |   |
| <b>TYPE OF SUBMISSION</b>   | <b>TYPE OF ACTION</b>  |   |
| <input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:  | <input type="checkbox"/> ACIDIZE   |   |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>11/16/2012   | <input type="checkbox"/> ALTER CASING                                      |   |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS                          |   |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <input type="checkbox"/> CHANGE TUBING                                     |   |
|   | <input checked="" type="checkbox"/> CHANGE WELL STATUS                     |   |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS                    |   |
|   | <input type="checkbox"/> DEEPEN  |   |
|   | <input type="checkbox"/> FRACTURE TREAT                                    |   |
|   | <input type="checkbox"/> OPERATOR CHANGE                                   |   |
|   | <input type="checkbox"/> PLUG AND ABANDON                                  |   |
|   | <input type="checkbox"/> PRODUCTION START OR RESUME                        |   |
|   | <input type="checkbox"/> RECLAMATION OF WELL SITE                          |   |
|   | <input type="checkbox"/> REPERFORATE CURRENT FORMATION                     |   |
|   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL                          |   |
|   | <input type="checkbox"/> TUBING REPAIR                                     |   |
|   | <input type="checkbox"/> VENT OR FLARE                                     |   |
|   | <input type="checkbox"/> WATER SHUTOFF                                     |   |
|   | <input type="checkbox"/> SI TA STATUS EXTENSION                            |   |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION                        |   |
|   | <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/> |   |
| <b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b><br>The subject well has been converted from a producing oil well to an injection well on 11/14/2012. On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. |  |   |
| <b>Accepted by the<br/>Utah Division of<br/>Oil, Gas and Mining</b><br><br><b>Date:</b> November 26, 2012<br><b>By:</b>   |  |   |
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto   | <b>PHONE NUMBER</b><br>435 646-4874  | <b>TITLE</b><br>Water Services Technician                   |
| <b>SIGNATURE</b><br>N/A   | <b>DATE</b><br>11/20/2012  |   |

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 11/16/12 Time 9:00 am pmTest Conducted by: Riley Bagley

Others Present: \_\_\_\_\_

Well: Federal 1-22-9-16Field: Monument ButteWell Location: Federal 1-22-9-16API No: 4301332612

| <u>Time</u> | <u>Casing Pressure</u> |      |
|-------------|------------------------|------|
| 0 min       | <u>1660</u>            | psig |
| 5           | <u>1660</u>            | psig |
| 10          | <u>1660</u>            | psig |
| 15          | <u>1660</u>            | psig |
| 20          | <u>1660</u>            | psig |
| 25          | <u>1660</u>            | psig |
| 30 min      | <u>1660</u>            | psig |
| 35          | _____                  | psig |
| 40          | _____                  | psig |
| 45          | _____                  | psig |
| 50          | _____                  | psig |
| 55          | _____                  | psig |
| 60 min      | _____                  | psig |

Tubing pressure: 0 psig

Result:

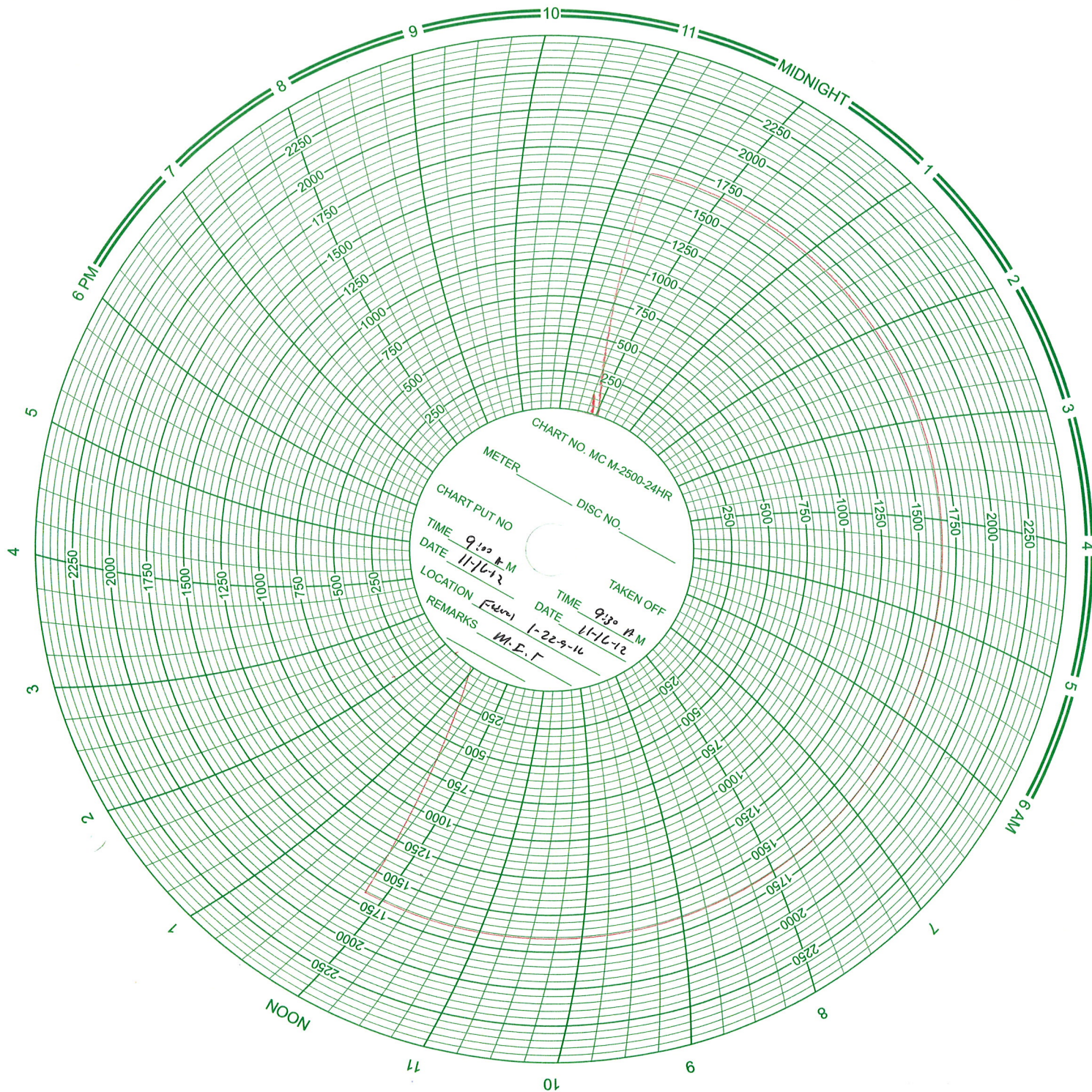
Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Riley Bagley







## Daily Activity Report

Format For Sundry

**FEDERAL 1-22-9-16**

**9/1/2012 To 1/30/2013**

**11/13/2012 Day: 1**

**Conversion**

WWS #7 on 11/13/2012 - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- good test- LD 1-1/2 X 26' polish rods 2',8' x 3/4 ponys, 209- H per 3/4, 6-1-1/2 WT bars, w/6 stab subs& pump Flushed 2 more times w/ 30 BW X 10 to TBG EQ NDWH release TAC NU BOP BU work floor& tubing EQ flush tbg w/ 30 bw TOO H talling TBG breaking inspecting & green doping every connections w/ 70 jts 2-7/8 j-55 tbg SWT. - MIRU Rig RD PU, Pump 60 BW down csg unseat pump flush rods w/ 30 BW, seat pump psi test TBG w/5 BW- good test- LD 1-1/2 X 26' polish rods 2',8' x 3/4 ponys, 209- H per 3/4, 6-1-1/2 WT bars, w/6 stab subs& pump Flushed 2 more times w/ 30 BW X 10 to TBG EQ NDWH release TAC NU BOP BU work floor& tubing EQ flush tbg w/ 30 bw TOO H talling TBG breaking inspecting & green doping every connections w/ 70 jts 2-7/8 j-55 tbg SWT. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$17,350

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**11/14/2012 Day: 2**

**Conversion**

WWS #7 on 11/14/2012 - Flushing Tbg w/30 BW count TOO H talling tbg breaking. - Flushing TBG w/30 BW count TOO H talling TBG breaking inspecting an green doping every connection w/ 54 JTS 2-3/8 J-55 tbg LD 46 JTS 5-1/2 TAC,JT, SN, 2 jnts, NC, TH w/ 2-7/8 re-entry guide x/n nipple 1.875 profile, 4 tbg sub, X lover, 5 1/2 AS-7 X PKR, on/off Tool 2-7/8 SN 124 JTS 2-7/8 J-55 TBG pump 15 BW drop SV psi test TBG to 3000 psi w/15 BW @ 10:40 psi tbg up 40 more times losing slowiy by 5:00 50-75 psi tbg up 45 min sw ready to check in the AM. - Flushing TBG w/30 BW count TOO H talling TBG breaking inspecting an green doping every connection w/ 54 JTS 2-3/8 J-55 tbg LD 46 JTS 5-1/2 TAC,JT, SN, 2 jnts, NC, TH w/ 2-7/8 re-entry guide x/n nipple 1.875 profile, 4 tbg sub, X lover, 5 1/2 AS-7 X PKR, on/off Tool 2-7/8 SN 124 JTS 2-7/8 J-55 TBG pump 15 BW drop SV psi test TBG to 3000 psi w/15 BW @ 10:40 psi tbg up 40 more times losing slowiy by 5:00 50-75 psi tbg up 45 min sw ready to check in the AM. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$23,995

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**11/15/2012 Day: 3**

**Conversion**

WWS #7 on 11/15/2012 - set pkr, psi test - Bleed off tubing, ret SV mix pkr fluid w/60 bbls fresh water. Circ 50 bbls down csg, ND BOP set pkr @ 3951 SN @ 3945, XN 3959. EOT @ 3961 land tubing w 16000# tension NUWH psi test csg to 1,500, w/5 bw. Pressure up, good test. RDMO. - Bleed off tubing, ret SV mix pkr fluid w/60 bbls fresh water. Circ 50 bbls down csg, ND BOP set pkr @ 3951 SN @ 3945, XN 3959. EOT @ 3961 land tubing w 16000# tension NUWH psi test csg to 1,500, w/5 bw. Pressure up, good test. RDMO.

**Daily Cost:** \$0

**Cumulative Cost:** \$28,513

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**11/19/2012 Day: 4**

**Conversion**



Rigless on 11/19/2012 - Conduct initial MIT - On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test. - On 11/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/16/2012 the casing was pressured up to 1660 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

**Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$117,347

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**Pertinent Files:** [Go to File List](#)

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |  | <b>FORM 9</b>  |  |  |  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU-74392  |  |  |  |
| <b>1. TYPE OF WELL</b><br>Water Injection Well  |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b><br><br>   |  |  |  |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY  |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>GMBU (GRRV)  |  |  |  |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630, Myton, UT, 84052   |  | <b>8. WELL NAME and NUMBER:</b><br>FEDERAL 1-22-9-16   |  |  |  |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>0887 FNL 0963 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: NENE Section: 22 Township: 09.0S Range: 16.0E Meridian: S   |  | <b>9. API NUMBER:</b><br>43013326120000  |  |  |  |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext  |  | <b>9. FIELD and POOL or WILDCAT:</b><br>MONUMENT BUTTE   |  |  |  |
| <b>COUNTY:</b><br>DUCHESNE  |  | <b>STATE:</b><br>UTAH  |  |  |  |
| <b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>  |  |  |  |  |  |
| <b>TYPE OF SUBMISSION</b><br><br><input type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><br><input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:<br>6/13/2013<br><br><input type="checkbox"/> SPUD REPORT<br>Date of Spud:<br><br><input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <b>TYPE OF ACTION</b><br><br><table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE<br/> <input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br/> <input checked="" type="checkbox"/> CHANGE WELL STATUS<br/> <input type="checkbox"/> DEEPEN<br/> <input type="checkbox"/> OPERATOR CHANGE<br/> <input type="checkbox"/> PRODUCTION START OR RESUME<br/> <input type="checkbox"/> REPERFORATE CURRENT FORMATION<br/> <input type="checkbox"/> TUBING REPAIR<br/> <input type="checkbox"/> WATER SHUTOFF<br/> <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING<br/> <input type="checkbox"/> CHANGE TUBING<br/> <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br/> <input type="checkbox"/> FRACTURE TREAT<br/> <input type="checkbox"/> PLUG AND ABANDON<br/> <input type="checkbox"/> RECLAMATION OF WELL SITE<br/> <input type="checkbox"/> SIDETRACK TO REPAIR WELL<br/> <input type="checkbox"/> VENT OR FLARE<br/> <input type="checkbox"/> SI TA STATUS EXTENSION<br/> <input checked="" type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR<br/> <input type="checkbox"/> CHANGE WELL NAME<br/> <input checked="" type="checkbox"/> CONVERT WELL TYPE<br/> <input type="checkbox"/> NEW CONSTRUCTION<br/> <input type="checkbox"/> PLUG BACK<br/> <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br/> <input type="checkbox"/> TEMPORARY ABANDON<br/> <input type="checkbox"/> WATER DISPOSAL<br/> <input type="checkbox"/> APD EXTENSION<br/>         OTHER: <span style="border: 1px solid black; padding: 2px;">Commence Injection</span> </td> </tr> </table> |  | <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input checked="" type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input checked="" type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input checked="" type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION<br>OTHER: <span style="border: 1px solid black; padding: 2px;">Commence Injection</span> |
| <input type="checkbox"/> ACIDIZE<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS<br><input checked="" type="checkbox"/> CHANGE WELL STATUS<br><input type="checkbox"/> DEEPEN<br><input type="checkbox"/> OPERATOR CHANGE<br><input type="checkbox"/> PRODUCTION START OR RESUME<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION<br><input type="checkbox"/> TUBING REPAIR<br><input type="checkbox"/> WATER SHUTOFF<br><input type="checkbox"/> WILDCAT WELL DETERMINATION                  | <input type="checkbox"/> ALTER CASING<br><input type="checkbox"/> CHANGE TUBING<br><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS<br><input type="checkbox"/> FRACTURE TREAT<br><input type="checkbox"/> PLUG AND ABANDON<br><input type="checkbox"/> RECLAMATION OF WELL SITE<br><input type="checkbox"/> SIDETRACK TO REPAIR WELL<br><input type="checkbox"/> VENT OR FLARE<br><input type="checkbox"/> SI TA STATUS EXTENSION<br><input checked="" type="checkbox"/> OTHER   | <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE WELL NAME<br><input checked="" type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> APD EXTENSION<br>OTHER: <span style="border: 1px solid black; padding: 2px;">Commence Injection</span> |  |  |  |
| <b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b><br><div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>The above reference well was put on injection at 11:00 AM on 06/13/2013.</p> </div> <div style="width: 35%; text-align: right;"> <p><b>Accepted by the<br/>Utah Division of<br/>Oil, Gas and Mining</b></p> <p><b>Date:</b> July 01, 2013</p> <p><b>By:</b> </p> </div> </div> |  |  |  |  |  |
| <b>NAME (PLEASE PRINT)</b><br>Lucy Chavez-Naupoto   | <b>PHONE NUMBER</b><br>435 646-4874  | <b>TITLE</b><br>Water Services Technician  |  |  |  |
| <b>SIGNATURE</b><br>N/A   |  | <b>DATE</b><br>6/17/2013   |  |  |  |

Spud Date: 12-26-05  
 Put on Production: 01-19-06  
 GL: 5742' KB: 5754'

# Federal 1-22-9-16

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts (315.48')  
 DEPTH LANDED: 327.33' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 139 jts (5871.28')  
 DEPTH LANDED: 5869.78' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 400 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.  
 CEMENT TOP AT: 120'

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 124 jts (3933.1')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 3945.1' KB  
 ON/OFF TOOL AT: 3946.2'  
 ARROW #1 PACKER CE AT: 3951'  
 XO 2-3/8 x 2-7/8 J-55 AT: 3955.2'  
 TBG PUP 2-3/8 J-55 AT: 3955.8'  
 X/N NIPPLE AT: 3959.9'  
 TOTAL STRING LENGTH: EOT @ 3961'

### FRAC JOB

01-16-06 5410-5422' **Frac CP2, sands as follows:**  
 45584# 20/40 sand in 483 bbls Lightning 17  
 frac fluid. Treated @ avg press of 2087 psi  
 w/avg rate of 25 BPM. ISIP 2130 psi. Calc  
 flush: 5408 gal. Actual flush: 4788 gal.

01-16-06 4718-4730' **Frac B2, & B1 sands as follows:**  
 124027# 20/40 sand in 851 bbls Lightning 17  
 frac fluid. Treated @ avg press of 1490 psi  
 w/avg rate of 24.9 BPM. ISIP 1900 psi. Calc  
 flush: 4716 gal. Actual flush: 4116 gal.

01-16-06 4002-4007' **Frac GB6 sands as follows:**  
 23163# 20/40 sand in 305 bbls Lightning 17  
 frac fluid. Treated @ avg press of 1785 psi  
 w/avg rate of 14.5 BPM. ISIP 2080 psi. Calc  
 flush: 4000 gal. Actual flush: 3877 gal.

03/22/06 **Pump Change** Update rod and tubing details.  
 9-3-08 **Pump Change** Updated rod & tubing details.  
 7/21/09 **Tubing Leak** Updated rod & tubing details.  
 01/13/2011 **Pump Change** Rod & tubing detail updated.  
 11/14/12 **Convert to Injection Well**  
 11/16/12 **Conversion MIT Finalized** - update tbg  
 detail

### PERFORATION RECORD

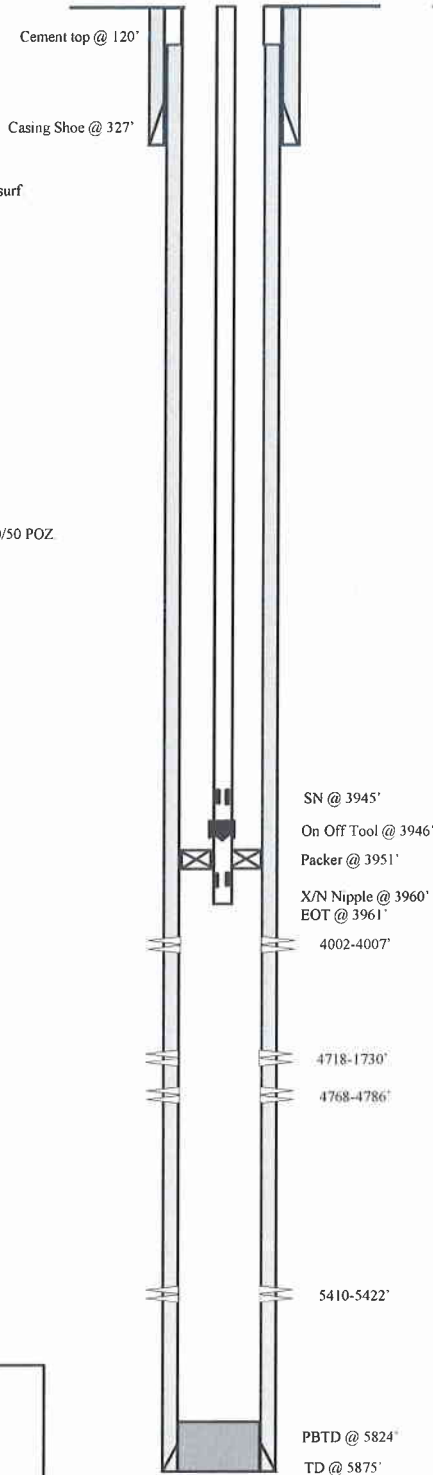
|          |            |        |          |
|----------|------------|--------|----------|
| 01-11-06 | 5410-5422' | 4 JSPF | 48 holes |
| 01-16-06 | 4768-4786' | 4 JSPF | 72 holes |
| 01-16-06 | 4718-4730' | 4 JSPF | 48 holes |
| 01-16-06 | 4002-4007' | 4 JSPF | 20 holes |

**NEWFIELD**



**Federal 1-22-9-16**

887' FNL & 963' FEL  
 NE/NE Section 22-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32612; Lease #UTU-74392





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

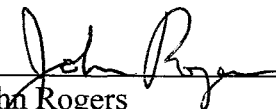
Cause No. UIC-392

**Operator:** Newfield Production Company  
**Well:** Federal 1-22-9-16  
**Location:** Section 22, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-32612  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on August 21, 2012.
2. Maximum Allowable Injection Pressure: 1,869 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,784' – 5,824')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

12-4-2012  
Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC

